FIG.1

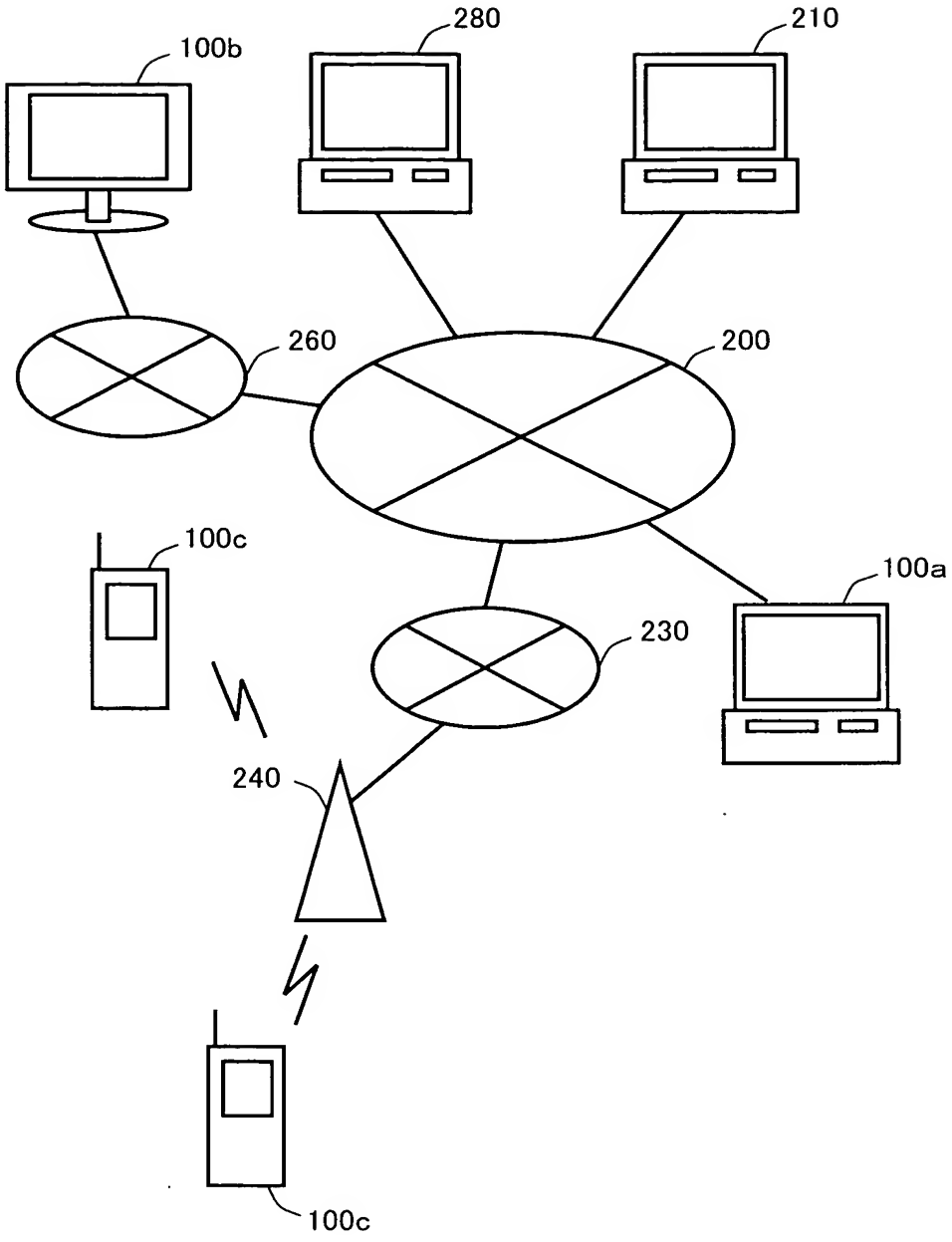


FIG.2

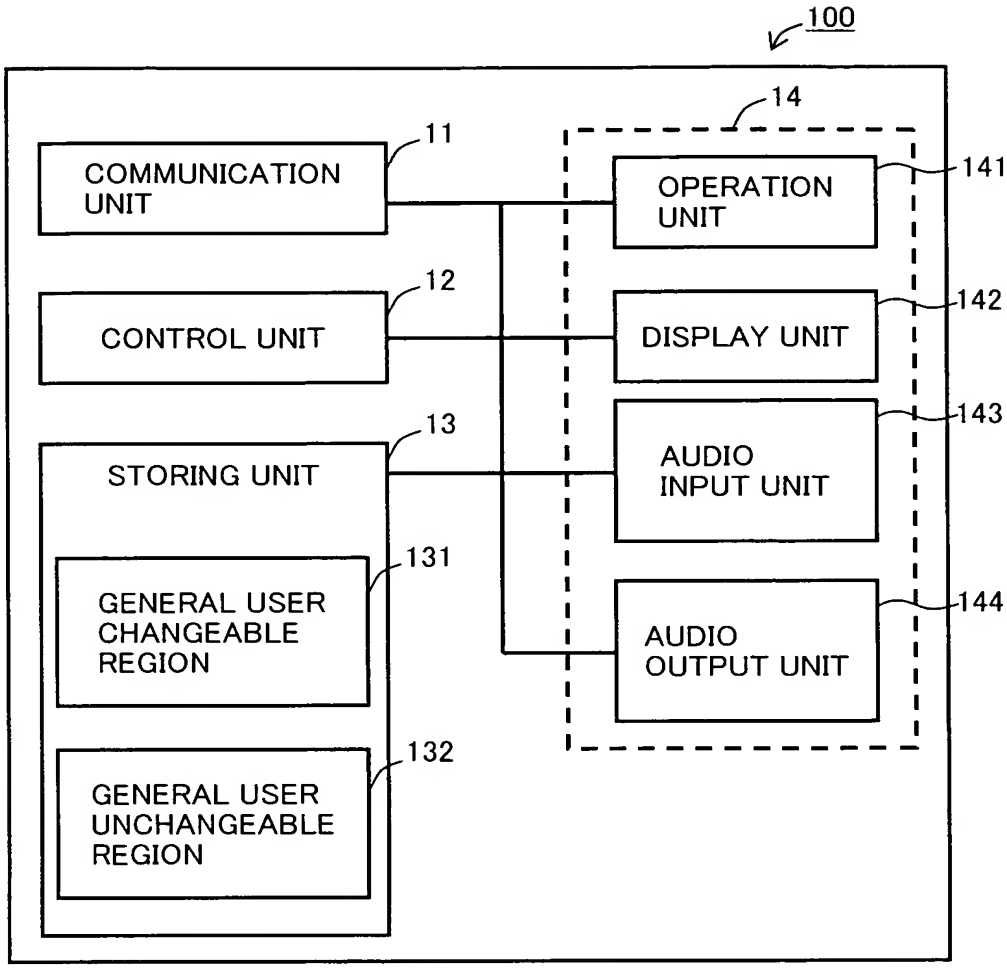

100
14
11
COMMUNICATION UNIT
12
CONTROL UNIT
13
STORING UNIT
131
GENERAL USER CHANGEABLE REGION
132
GENERAL USER UNCHANGEABLE REGION
OPERATION UNIT
141
DISPLAY UNIT
142
AUDIO INPUT UNIT
143
AUDIO OUTPUT UNIT
144

FIG.3

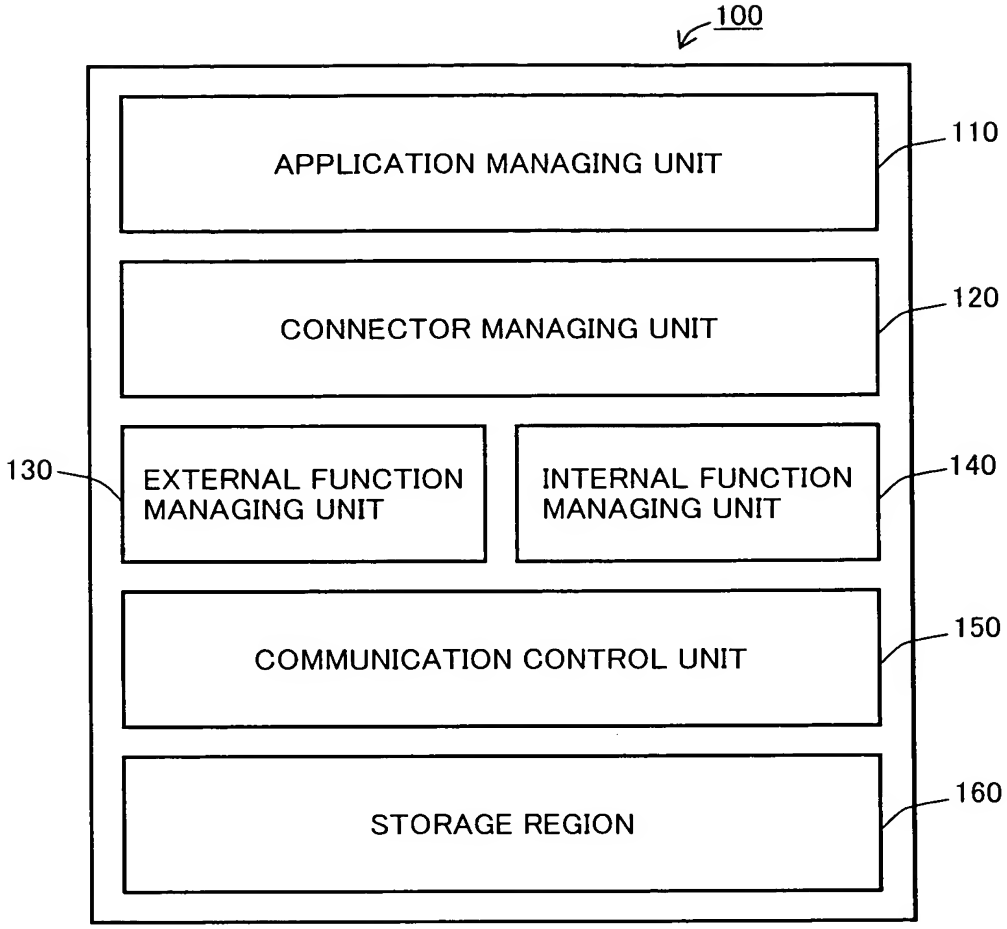

100
APPLICATION MANAGING UNIT
110
CONNECTOR MANAGING UNIT
120
130
EXTERNAL FUNCTION MANAGING UNIT
INTERNAL FUNCTION MANAGING UNIT
140
COMMUNICATION CONTROL UNIT
150
STORAGE REGION
160

FIG.4

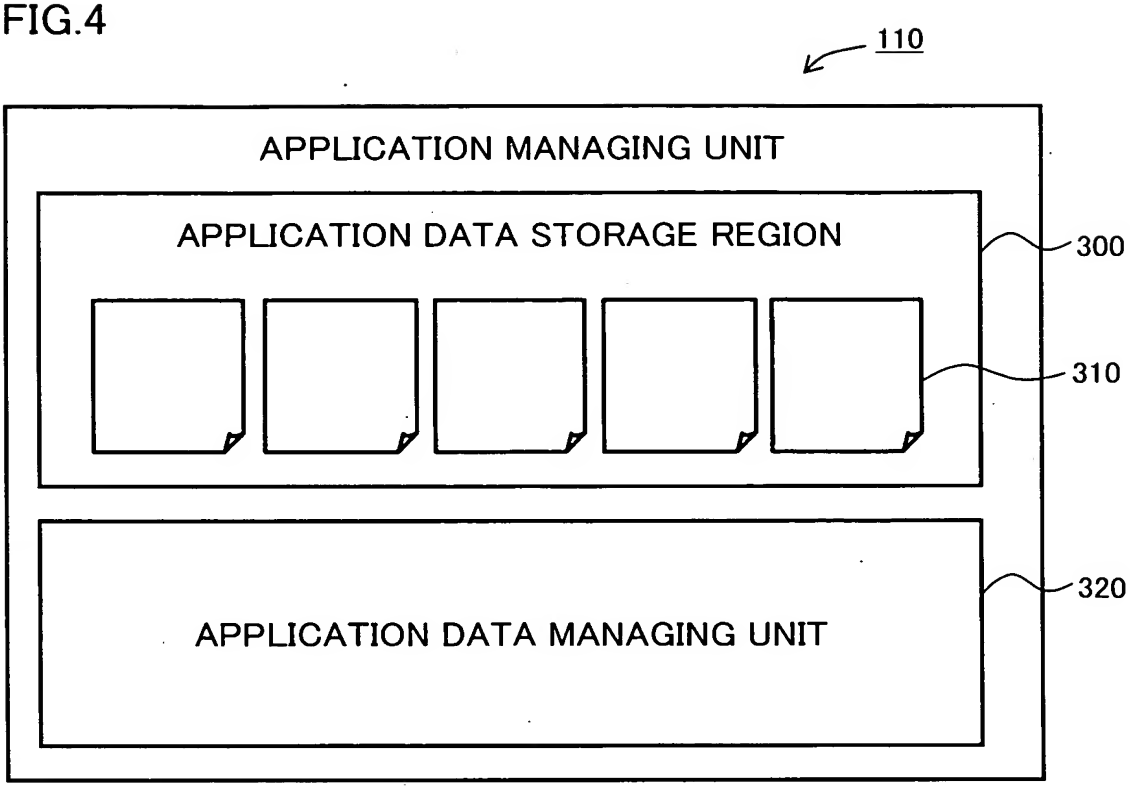

110
APPLICATION MANAGING UNIT
APPLICATION DATA STORAGE REGION
300
310
320
APPLICATION DATA MANAGING UNIT

FIG.5

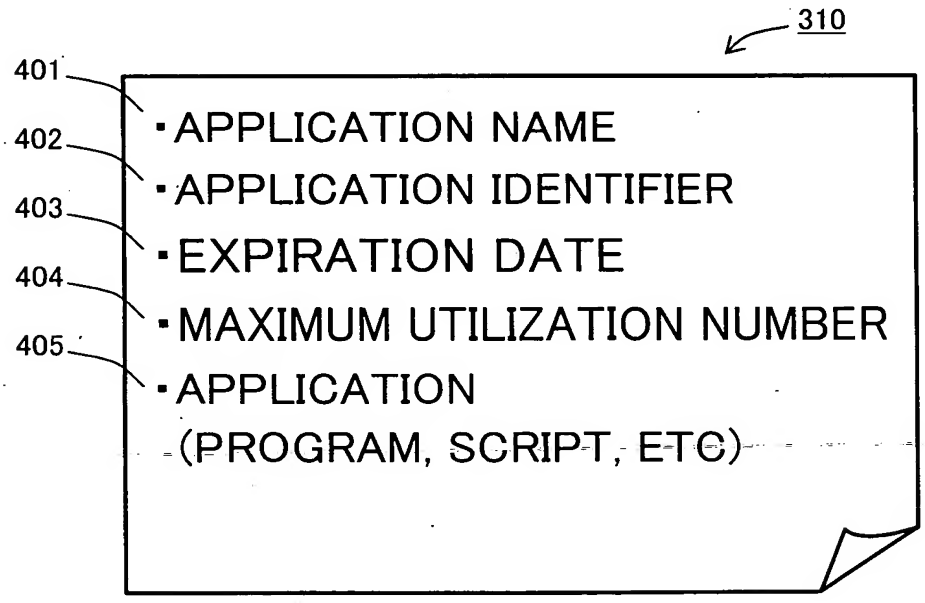

310
401
402
403
404
405
• APPLICATION NAME
• APPLICATION IDENTIFIER
• EXPIRATION DATE
• MAXIMUM UTILIZATION NUMBER
• APPLICATION
(PROGRAM, SCRIPT, ETC)

FIG.6

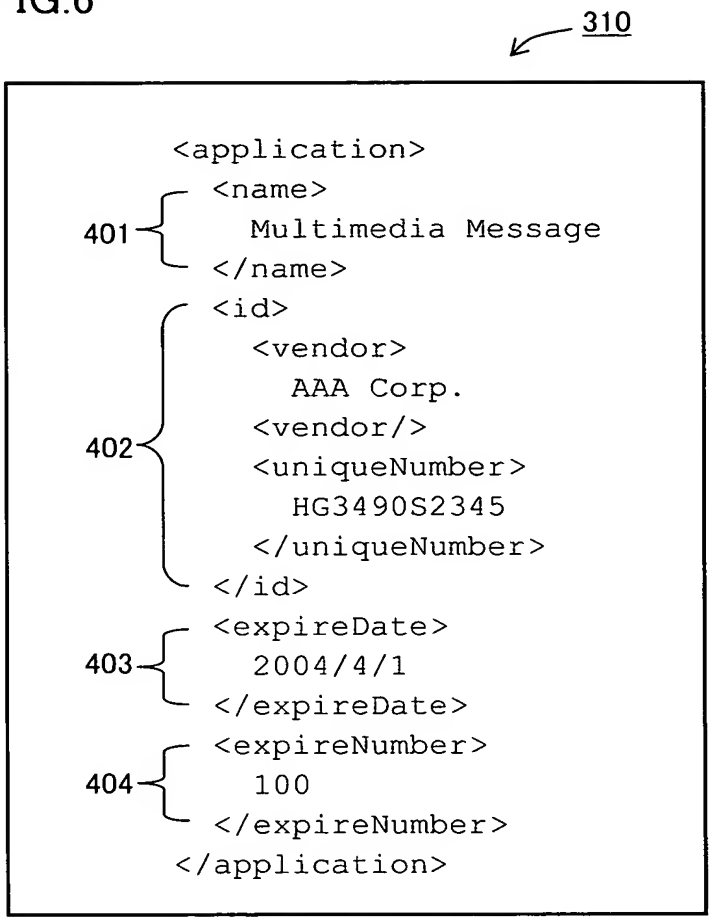

310
<application>
<name>
Multimedia Message
</name>
<id>
<vendor>
AAA Corp.
<vendor/>
<uniqueNumber>
HG3490S2345
</uniqueNumber>
</id>
<expireDate>
2004/4/1
</expireDate>
<expireNumber>
100
</expireNumber>
</application>
401
402
403
404

FIG.7

405

```
<smil>
  <head>
    <layout>
      <root-layout width="200" height="200"/>
      <region id="Image" width="150" height="100"
        left="25" top="10" />
      <region id="Text" width="180" height="30"
        left="10" top="120" />
      <button id="TextArt" width="40" height="30"
        left="10" top="160" />
      <button id="Camera" width="40" height="30"
        left="60" top="160" />
      <button id="File" width="30" height="30"
        left="110" top="160" />
      <button id="Send" width="40" height="30"
        left="150" top="160" />
    </layout>
    <action id="TextArt" >
      <setMedia func="name:TextArt" src="Text"
        dest="Text" scope="Terminal"/>
    </action>
    <action id="Camera" >
      <setMedia func="name:Camera" src=""
        dest="Image" scope="Terminal" />
    </action>
    <action id="File" >
      <setMedia func="name:File" src=""
        dest="Image" scope="Terminal" />
    </action>
    <action id="Send" >
      <setMedia func="name:Send" src=""
         dest="" scope="Terminal" />
    </action>
  </head>
  <body>
    <par>
      <event value="TextArt" action="TextArt" />
      <event value="Camera" action="Camera" />
      <event value="File" action="File" />
      <event value="Send" action="Send" />
    </par>
  </body>
</smil>
```

601

602

603

FIG.8

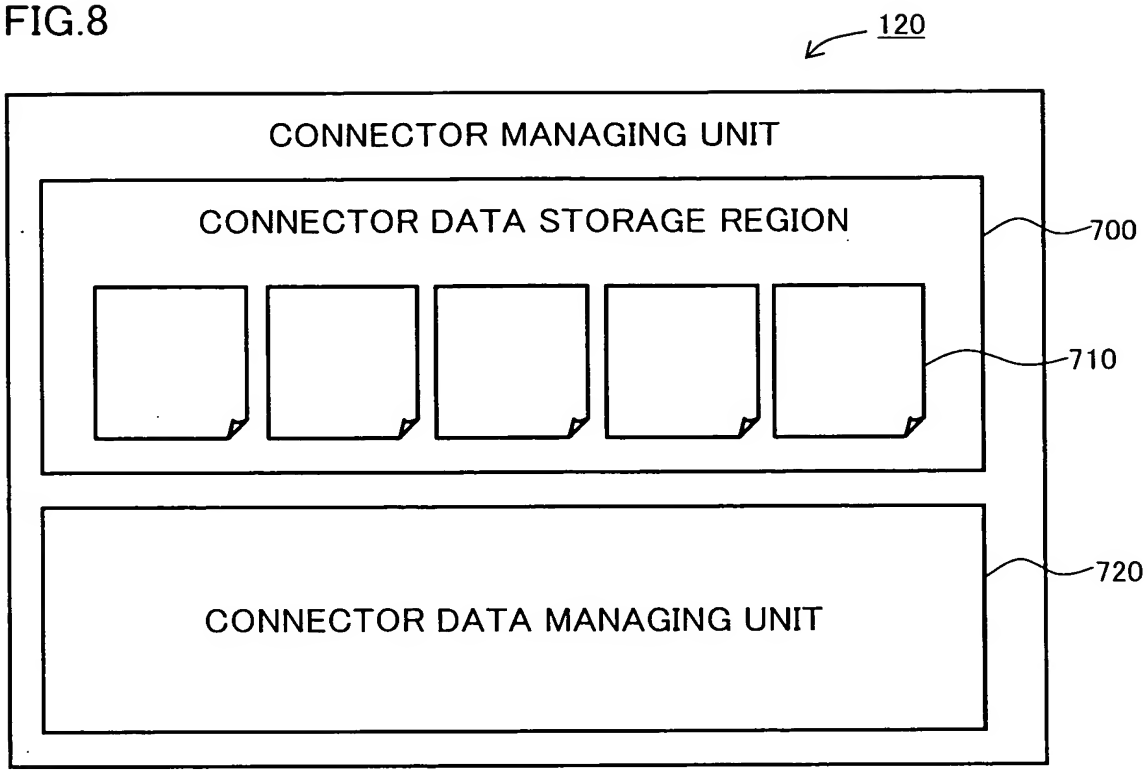

120
CONNECTOR MANAGING UNIT
CONNECTOR DATA STORAGE REGION
700
710
CONNECTOR DATA MANAGING UNIT
720

FIG.9

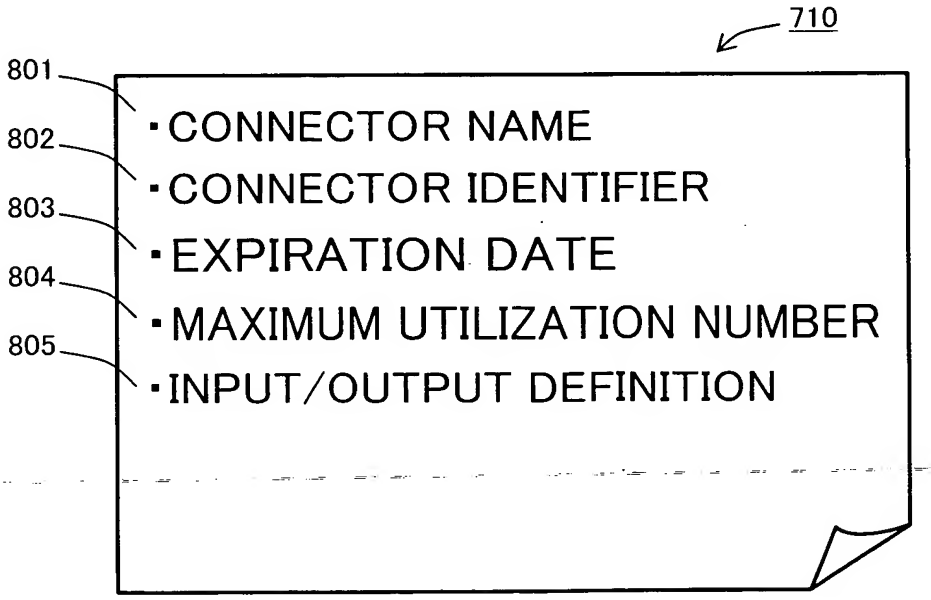

710
801
802
803
804
805
・CONNECTOR NAME
・CONNECTOR IDENTIFIER
・EXPIRATION DATE
・MAXIMUM UTILIZATION NUMBER
・INPUT/OUTPUT DEFINITION

FIG.10

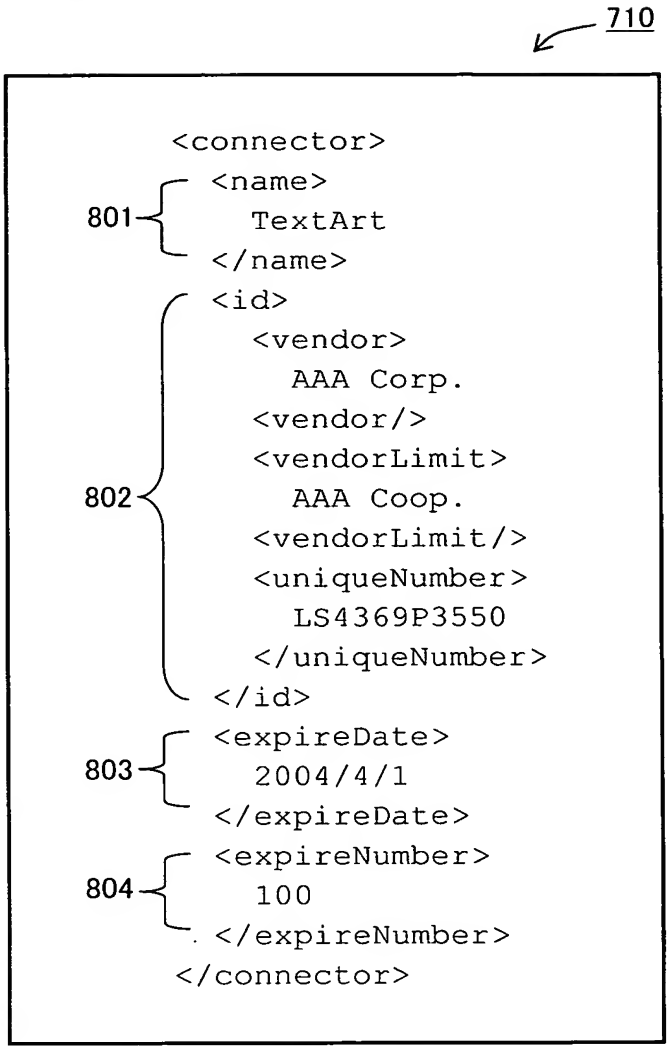

710
<connector>
<name>
TextArt
</name>
<id>
<vendor>
AAA Corp.
<vendor/>
<vendorLimit>
AAA Coop.
<vendorLimit/>
<uniqueNumber>
LS4369P3550
</uniqueNumber>
</id>
<expireDate>
2004/4/1
</expireDate>
<expireNumber>
100
</expireNumber>
</connector>
801
802
803
804

FIG.11

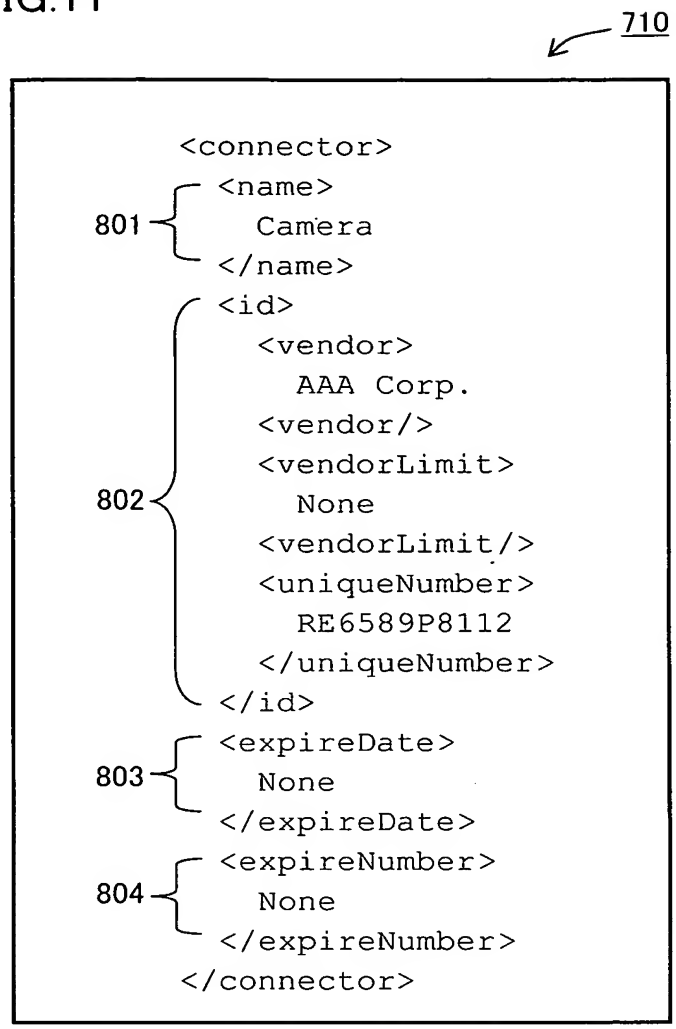

710
<connector>
<name>
Camera
</name>
801
<id>
<vendor>
AAA Corp.
<vendor/>
<vendorLimit>
None
<vendorLimit/>
<uniqueNumber>
RE6589P8112
</uniqueNumber>
</id>
802
<expireDate>
None
</expireDate>
803
<expireNumber>
None
</expireNumber>
804
</connector>

FIG.12

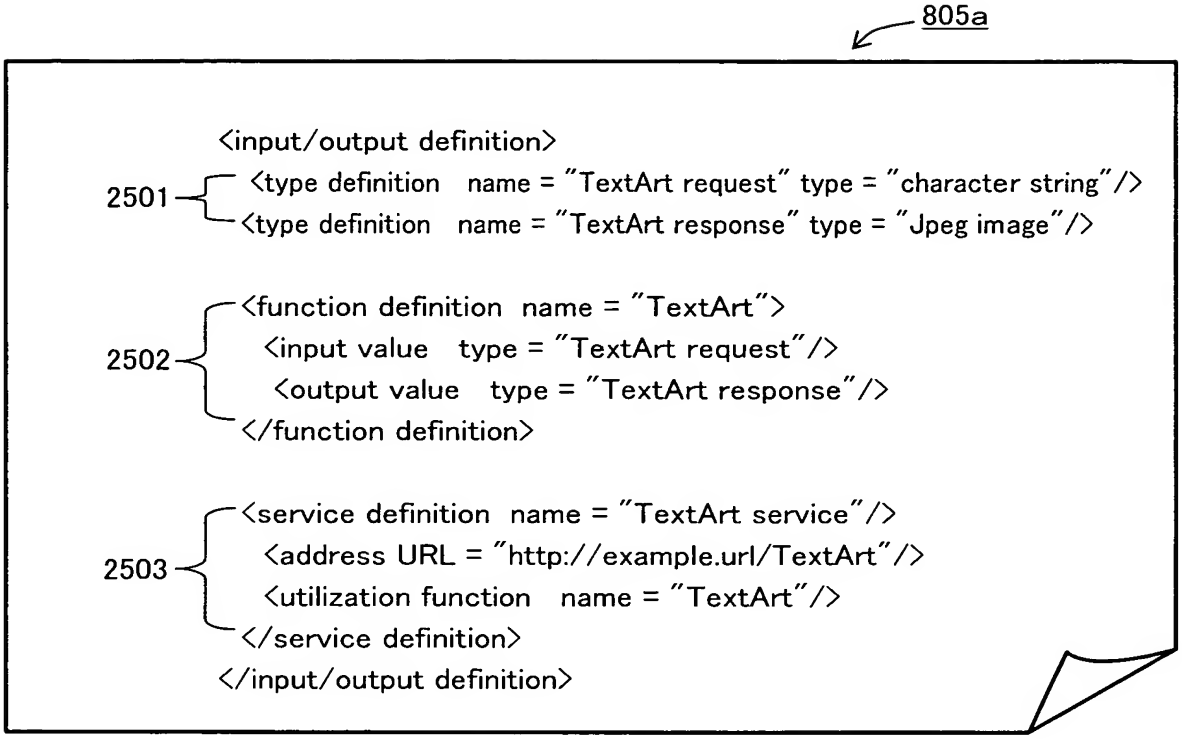

805a
<input/output definition>
2501
<type definition name = "TextArt request" type = "character string"/>
<type definition name = "TextArt response" type = "Jpeg image"/>
2502
<function definition name = "TextArt">
<input value type = "TextArt request"/>
<output value type = "TextArt response"/>
</function definition>
2503
<service definition name = "TextArt service"/>
<address URL = "http://example.url/TextArt"/>
<utilization function name = "TextArt"/>
</service definition>
</input/output definition>

FIG.13

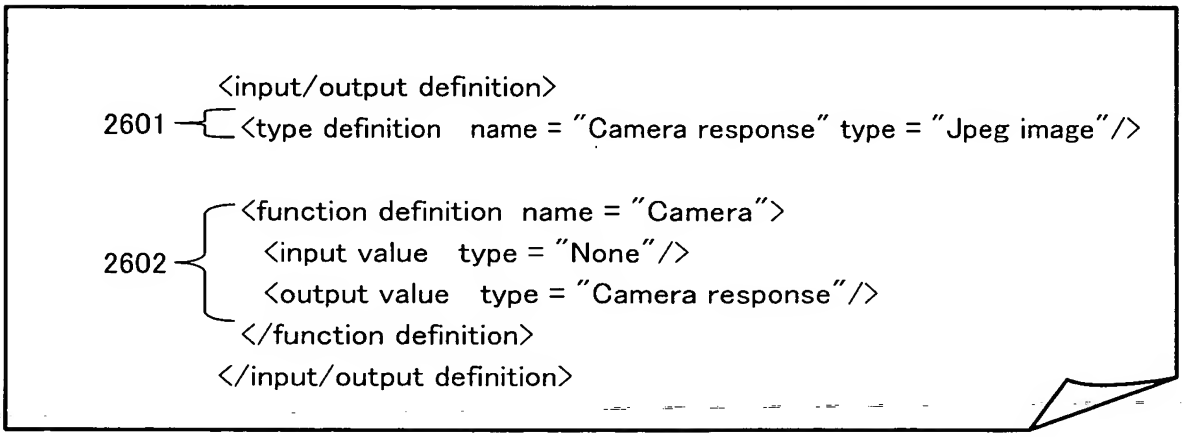

805b
<input/output definition>
2601
<type definition name = "Camera response" type = "Jpeg image"/>
2602
<function definition name = "Camera">
<input value type = "None"/>
<output value type = "Camera response"/>
</function definition>
</input/output definition>

FIG.14

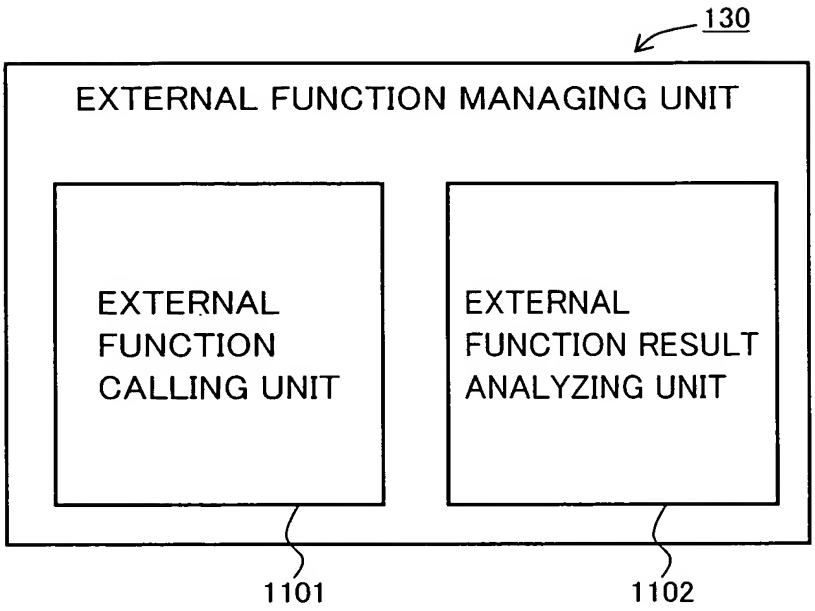

130
EXTERNAL FUNCTION MANAGING UNIT
EXTERNAL FUNCTION CALLING UNIT
EXTERNAL FUNCTION RESULT ANALYZING UNIT
1101
1102

FIG.15

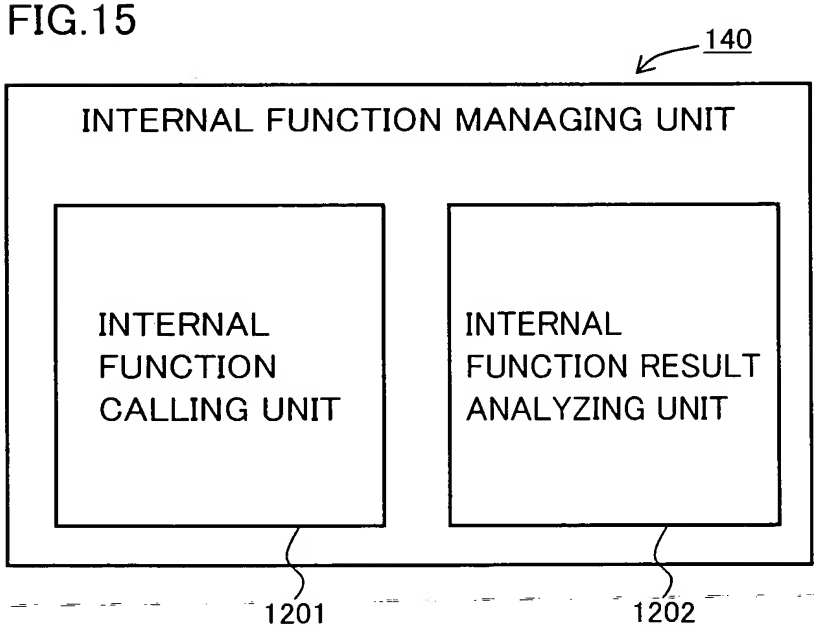

140
INTERNAL FUNCTION MANAGING UNIT
INTERNAL FUNCTION CALLING UNIT
INTERNAL FUNCTION RESULT ANALYZING UNIT
1201
1202

FIG.16

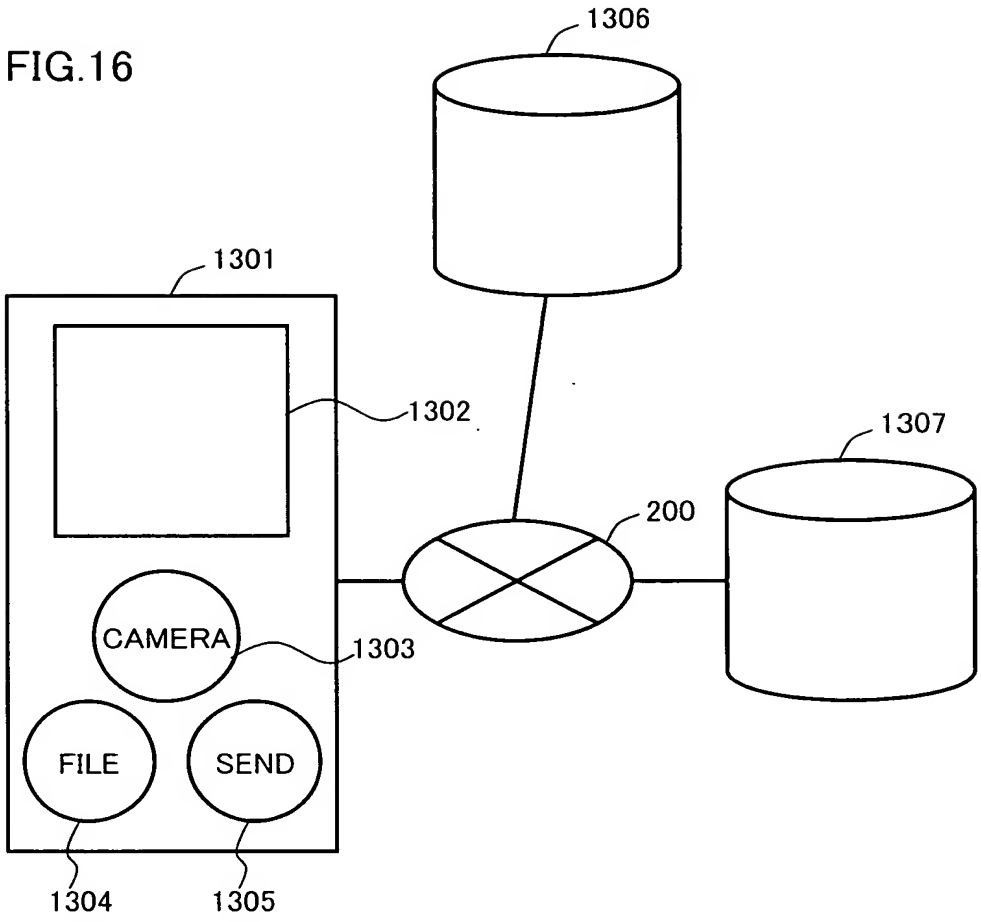


FIG.17

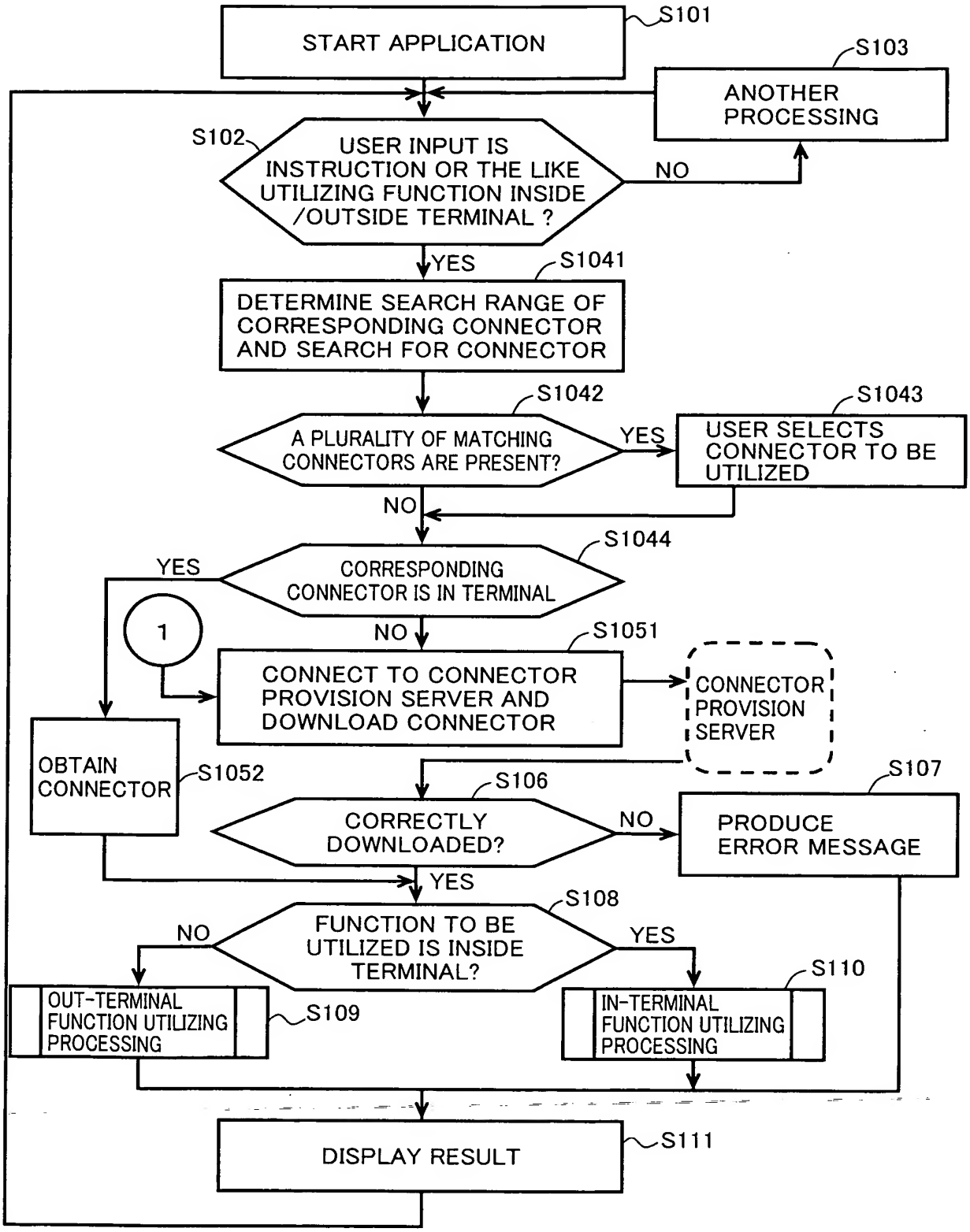

START APPLICATION
S101
ANOTHER PROCESSING
S103
S102
USER INPUT IS INSTRUCTION OR THE LIKE UTILIZING FUNCTION INSIDE /OUTSIDE TERMINAL ?
NO
YES
S1041
DETERMINE SEARCH RANGE OF CORRESPONDING CONNECTOR AND SEARCH FOR CONNECTOR
S1042
A PLURALITY OF MATCHING CONNECTORS ARE PRESENT?
YES
S1043
USER SELECTS CONNECTOR TO BE UTILIZED
NO
S1044
YES
CORRESPONDING CONNECTOR IS IN TERMINAL
1
NO
S1051
CONNECT TO CONNECTOR PROVISION SERVER AND DOWNLOAD CONNECTOR
CONNECTOR PROVISION SERVER
OBTAIN CONNECTOR
S1052
S106
S107
CORRECTLY DOWNLOADED?
NO
PRODUCE ERROR MESSAGE
YES
S108
NO
FUNCTION TO BE UTILIZED IS INSIDE TERMINAL?
YES
S110
OUT-TERMINAL FUNCTION UTILIZING PROCESSING
S109
IN-TERMINAL FUNCTION UTILIZING PROCESSING
DISPLAY RESULT
S111

FIG.18

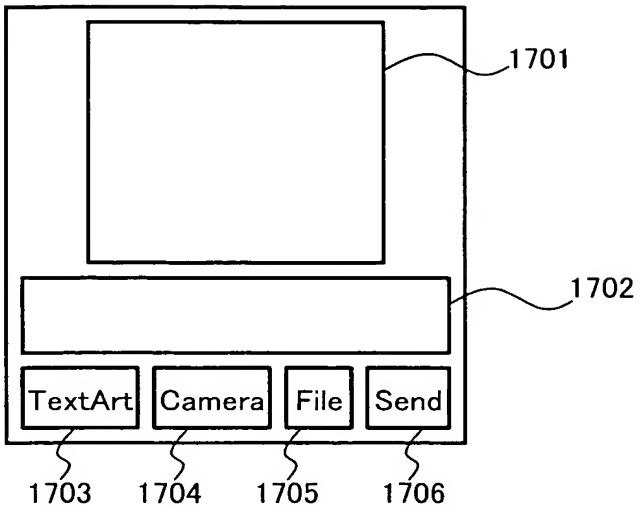


FIG.19

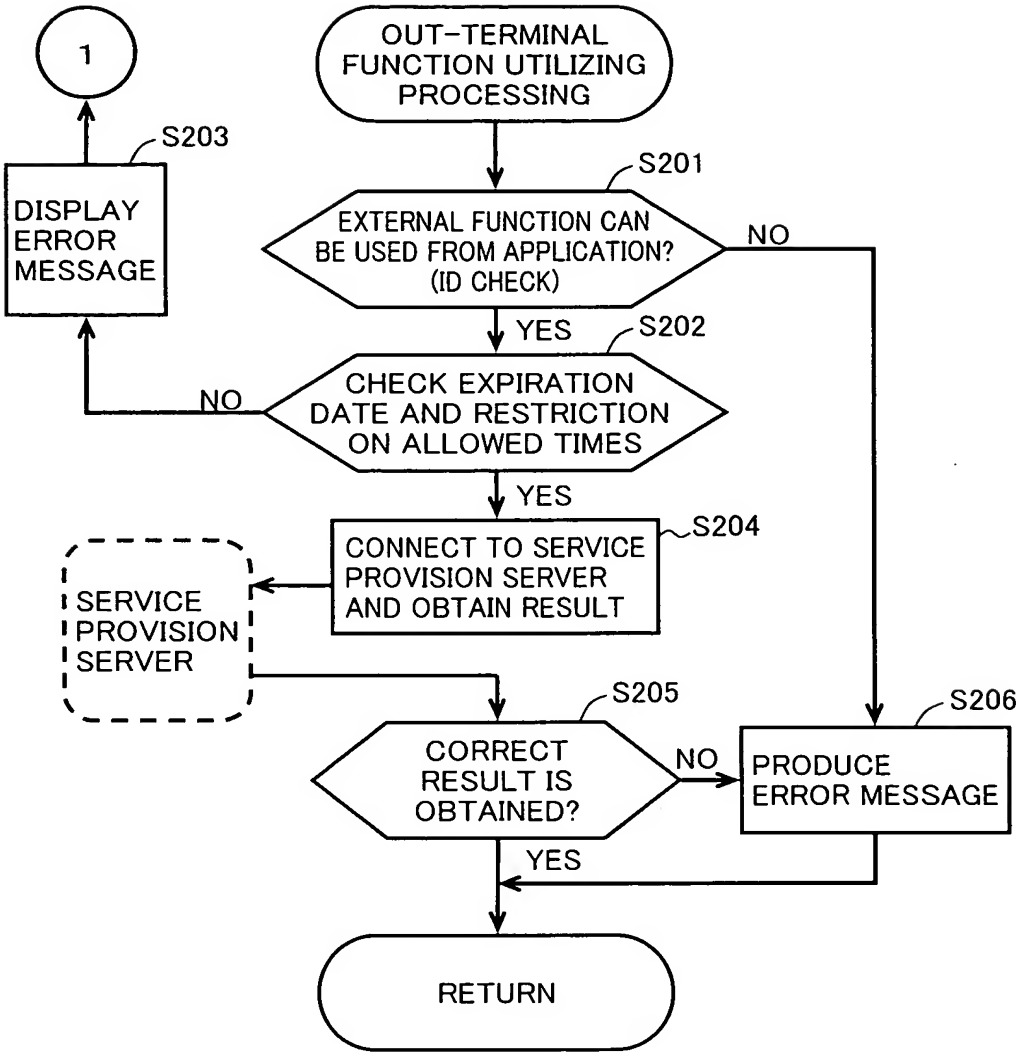

1
OUT-TERMINAL FUNCTION UTILIZING PROCESSING
S201
EXTERNAL FUNCTION CAN BE USED FROM APPLICATION? (ID CHECK)
NO
YES
S202
CHECK EXPIRATION DATE AND RESTRICTION ON ALLOWED TIMES
NO
S203
DISPLAY ERROR MESSAGE
YES
S204
CONNECT TO SERVICE PROVISION SERVER AND OBTAIN RESULT
SERVICE PROVISION SERVER
S205
CORRECT RESULT IS OBTAINED?
NO
S206
PRODUCE ERROR MESSAGE
YES
RETURN

FIG.20

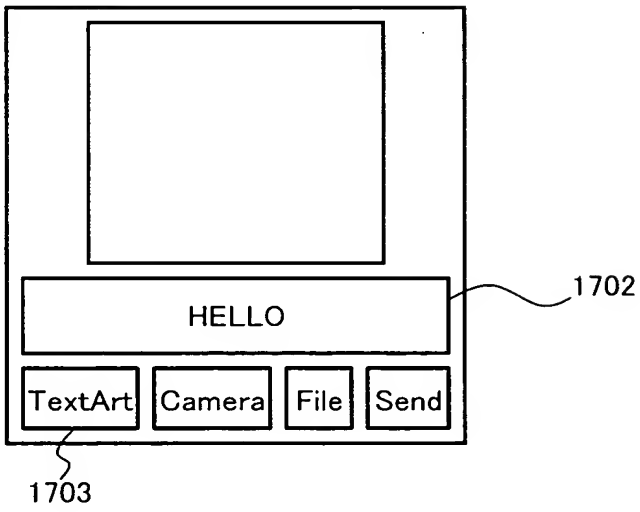

HELLO
1702
TextArt
Camera
File
Send
1703

FIG.21

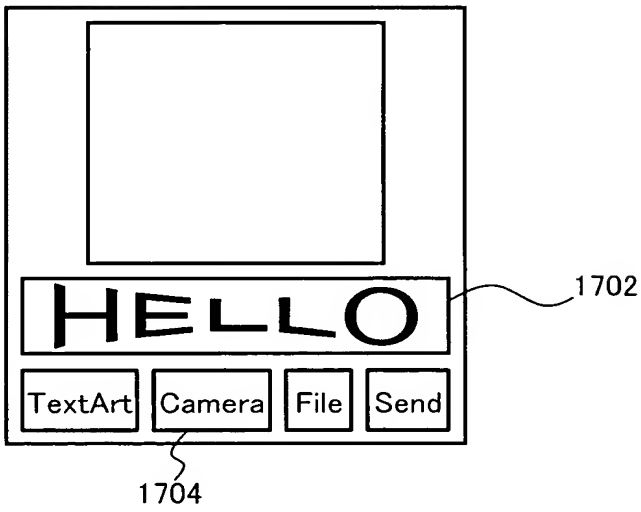

HELLO
1702
TextArt
Camera
File
Send
1704

FIG.22

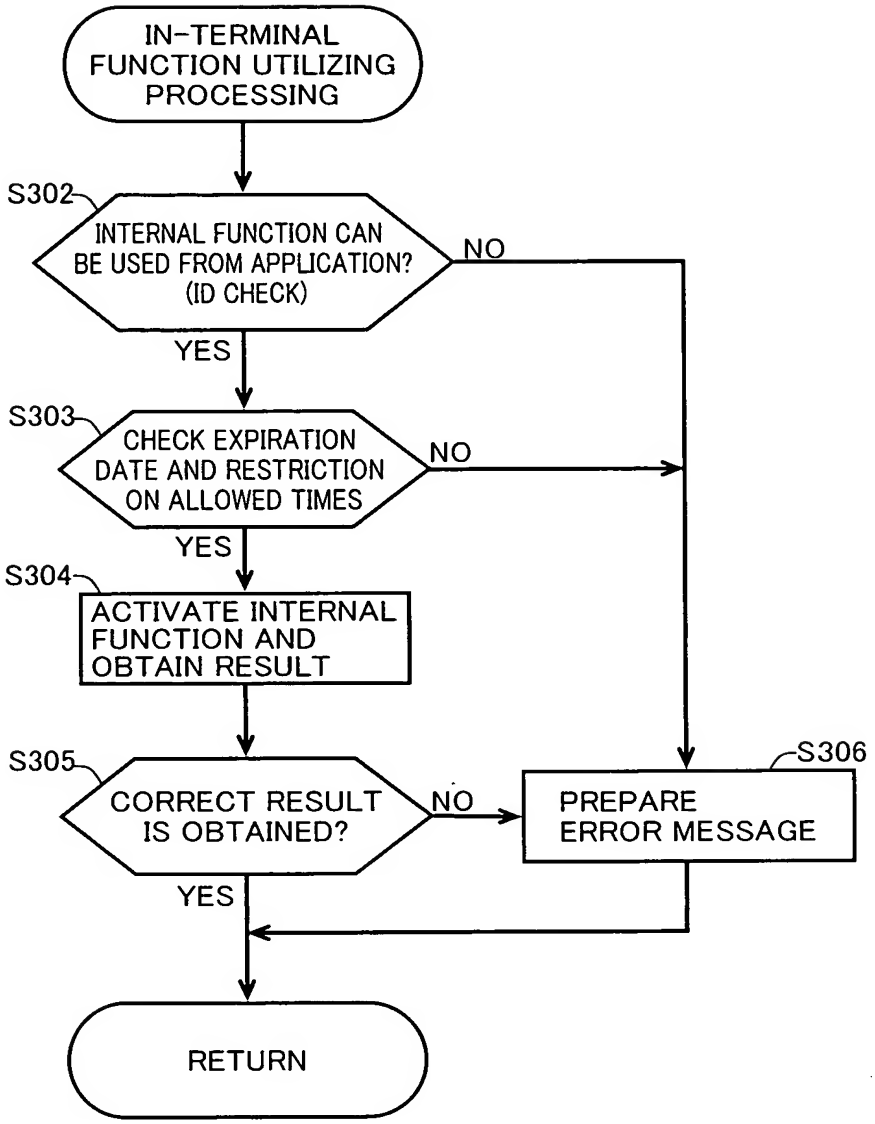

IN-TERMINAL FUNCTION UTILIZING PROCESSING
S302
INTERNAL FUNCTION CAN BE USED FROM APPLICATION? (ID CHECK)
NO
YES
S303
CHECK EXPIRATION DATE AND RESTRICTION ON ALLOWED TIMES
NO
YES
S304
ACTIVATE INTERNAL FUNCTION AND OBTAIN RESULT
S305
CORRECT RESULT IS OBTAINED?
NO
S306
PREPARE ERROR MESSAGE
YES
RETURN

FIG.23

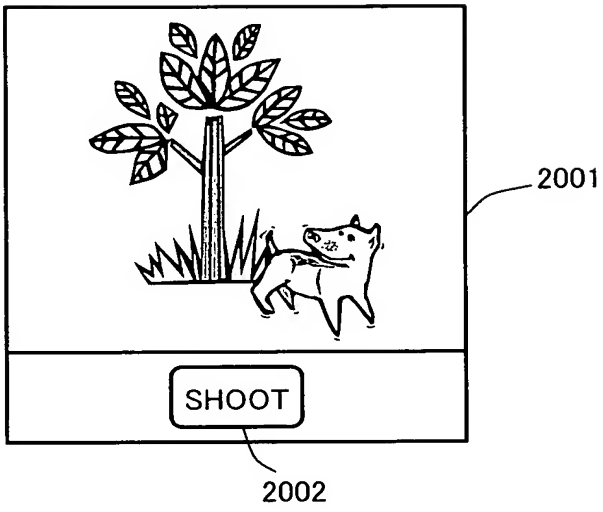


FIG.24

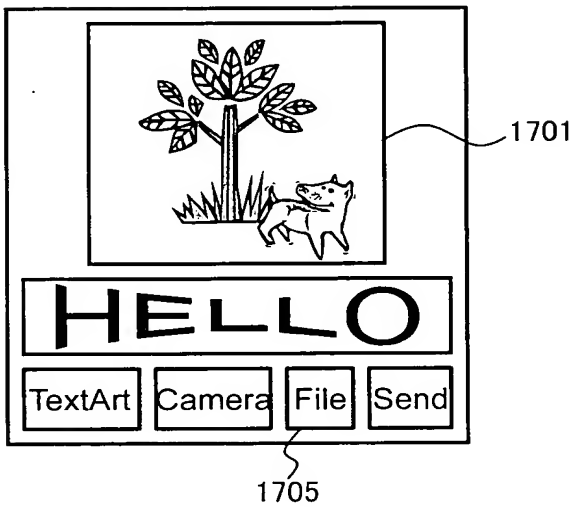


FIG.25

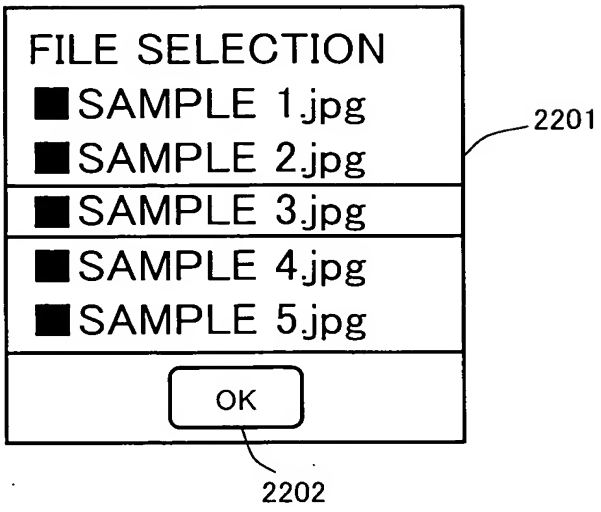

FILE SELECTION
SAMPLE 1.jpg
SAMPLE 2.jpg
SAMPLE 3.jpg
SAMPLE 4.jpg
SAMPLE 5.jpg
OK
2201
2202

FIG.26

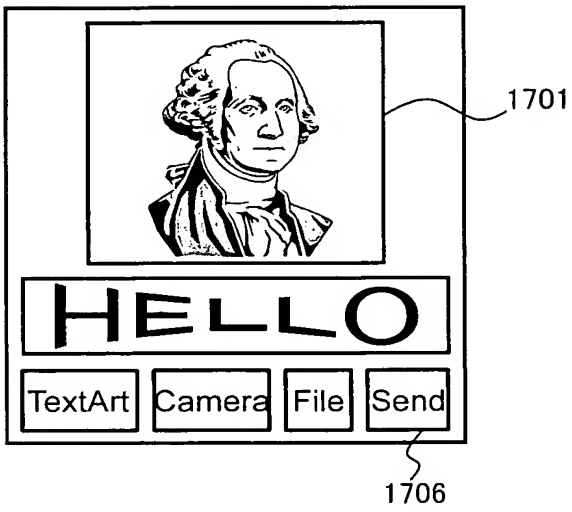

HELLO
TextArt
Camera
File
Send
1701
1706

FIG.27

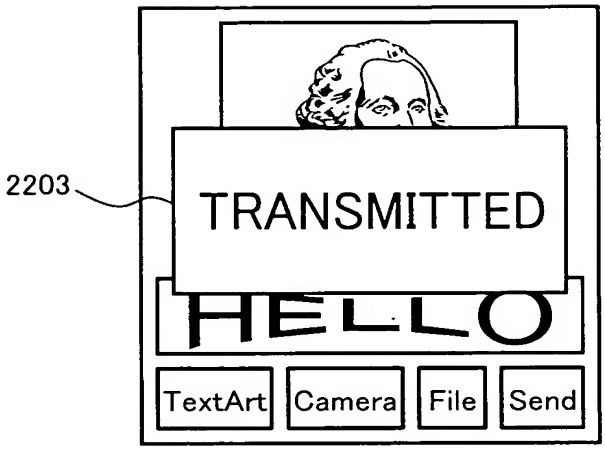


FIG.28

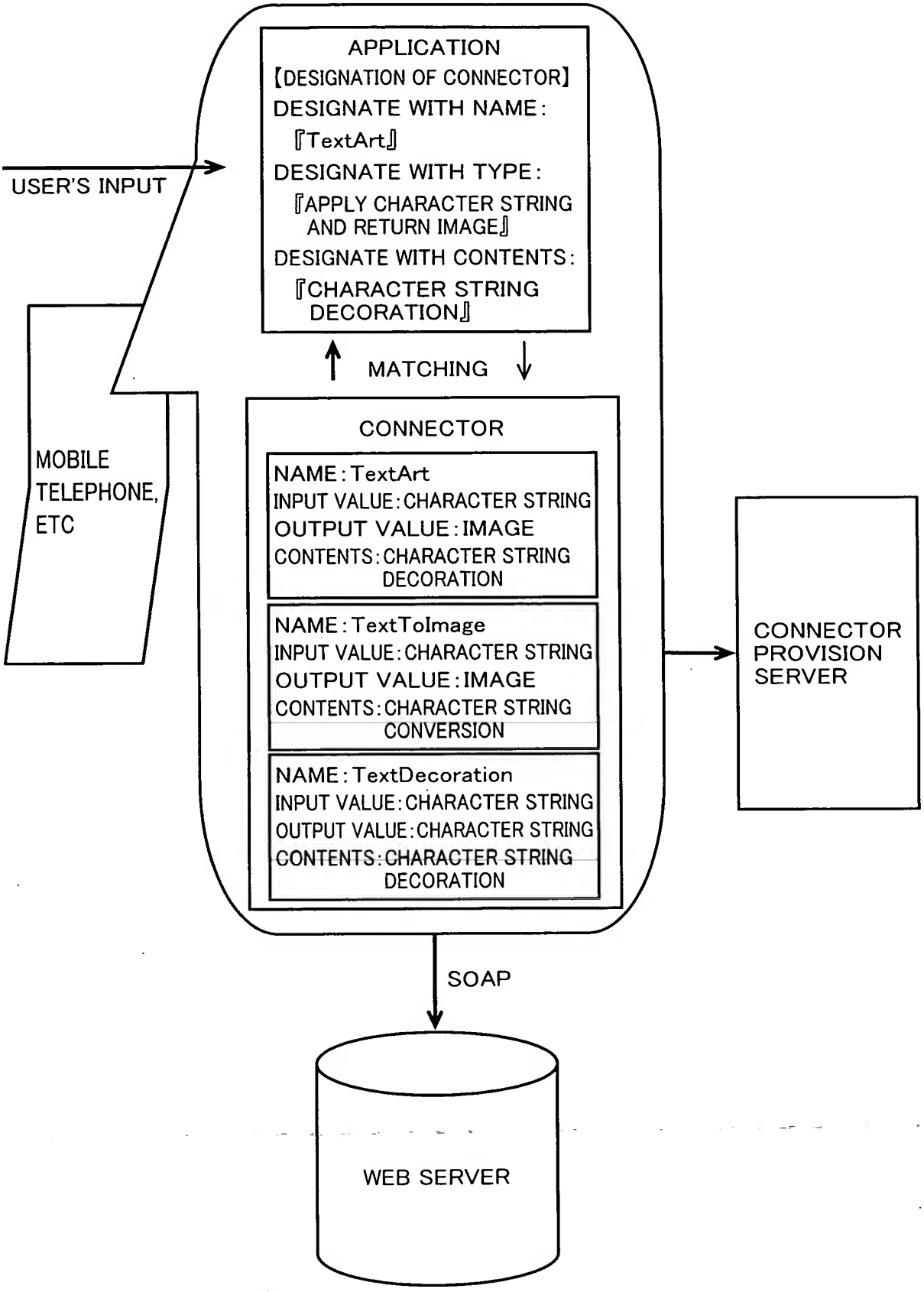

APPLICATION
【DESIGNATION OF CONNECTOR】
DESIGNATE WITH NAME:
『TextArt』
DESIGNATE WITH TYPE:
『APPLY CHARACTER STRING AND RETURN IMAGE』
DESIGNATE WITH CONTENTS:
『CHARACTER STRING DECORATION』
USER'S INPUT
MATCHING
CONNECTOR
NAME: TextArt
INPUT VALUE: CHARACTER STRING
OUTPUT VALUE: IMAGE
CONTENTS: CHARACTER STRING DECORATION
NAME: TextToImage
INPUT VALUE: CHARACTER STRING
OUTPUT VALUE: IMAGE
CONTENTS: CHARACTER STRING CONVERSION
NAME: TextDecoration
INPUT VALUE: CHARACTER STRING
OUTPUT VALUE: CHARACTER STRING
CONTENTS: CHARACTER STRING DECORATION
MOBILE TELEPHONE, ETC
CONNECTOR PROVISION SERVER
SOAP
WEB SERVER

FIG.29

405

```
<smil>
  <head>
    <layout>
      <root-layout width="200" height="200"/>
      <region id="Image" width="150" height="100"
        left="25" top="10" />
      <region id="Text" width="180" height="30"
        left="10" top="120" />
      <button id="TextArt" width="40" height="30"
        left="10" top="160" />
      <button id="Camera" width="40" height="30"
        left="60" top="160" />
      <button id="File" width="30" height="30"
        left="110" top="160" />
      <button id="Send" width="40" height="30"
        left="150" top="160" />
    </layout>
    <action id="TextArt" >
      <setMedia func="input: character string, output: Jpeg image"
        src="Text" dest="Text" scope="Termial+Server" />
    </action>
    <action id="Camera" >
      <setMedia func="name:Camera" src=""
        dest="Image" scope="Terminal" />
    </action>
    <action id="File" >
      <setMedia func="name:File" src=""
        dest="Image" scope="Terminal" />
    </action>
    <action id="Send" >
      <setMedia func="name:Send" src=""
         dest="" scope="Terminal" />
    </action>
  </head>
  <body>
    <par>
      <event value="TextArt" action="TextArt" />
      <event value="Camera" action="Camera" />
      <event value="File" action="File" />
      <event value="Send" action="Send" />
    </par>
  </body>
</smil>
```

601

6021

602

603

FIG.30

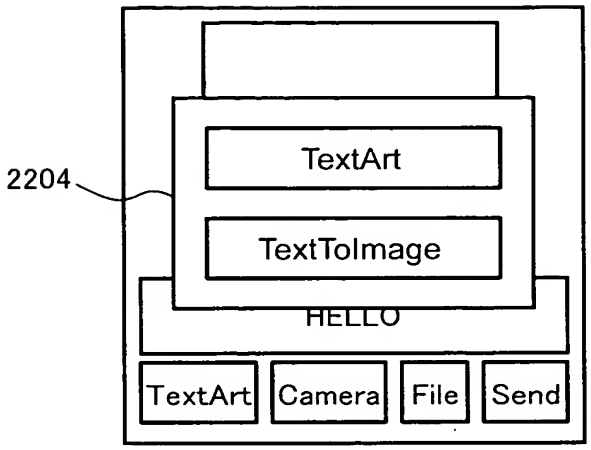


FIG.31

405

```
<smil>
  <head>
    <layout>
      <root-layout width="200" height="200"/>
      <region id="Image" width="150" height="100"
        left="25" top="10" />
      <region id="Text" width="180" height="30"
        left="10" top="120" />
      <button id="TextArt" width="40" height="30"
        left="10" top="160" />
      <button id="Camera" width="40" height="30"
        left="60" top="160" />
      <button id="File" width="30" height="30"
        left="110" top="160" />
      <button id="Send" width="40" height="30"
        left="150" top="160" />
    </layout>
    <action id="TextArt" >
      <setMedia func="desc:character string decoration"src="Text"
        dest="Text" scope="Termial+Server" />
    </action>
    <action id="Camera" >
      <setMedia func="name:Camera" src=""
        dest="Image" scope="Terminal" />
    </action>
    <action id="File" >
      <setMedia func="name:File" src=""
        dest="Image" scope="Terminal" />
    </action>
    <action id="Send" >
      <setMedia func="name:Send" src=""
        dest="" scope="Terminal" />
    </action>
  </head>
  <body>
    <par>
      <event value="TextArt" action="TextArt" />
      <event value="Camera" action="Camera" />
      <event value="File" action="File" />
      <event value="Send" action="Send" />
    </par>
  </body>
</smil>
```

601

6022

602

603

FIG.32

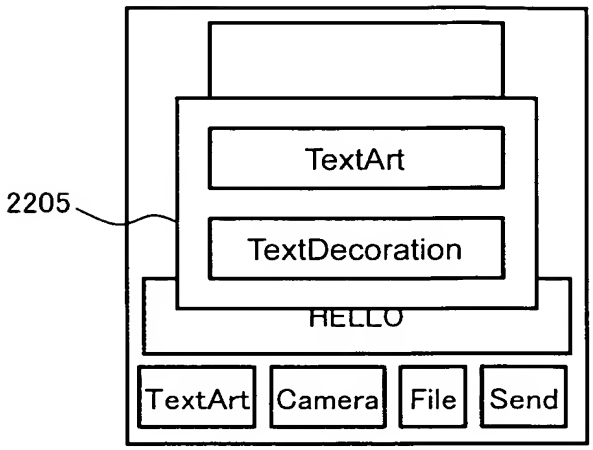

2205
TextArt
TextDecoration
HELLO
TextArt
Camera
File
Send

FIG.33

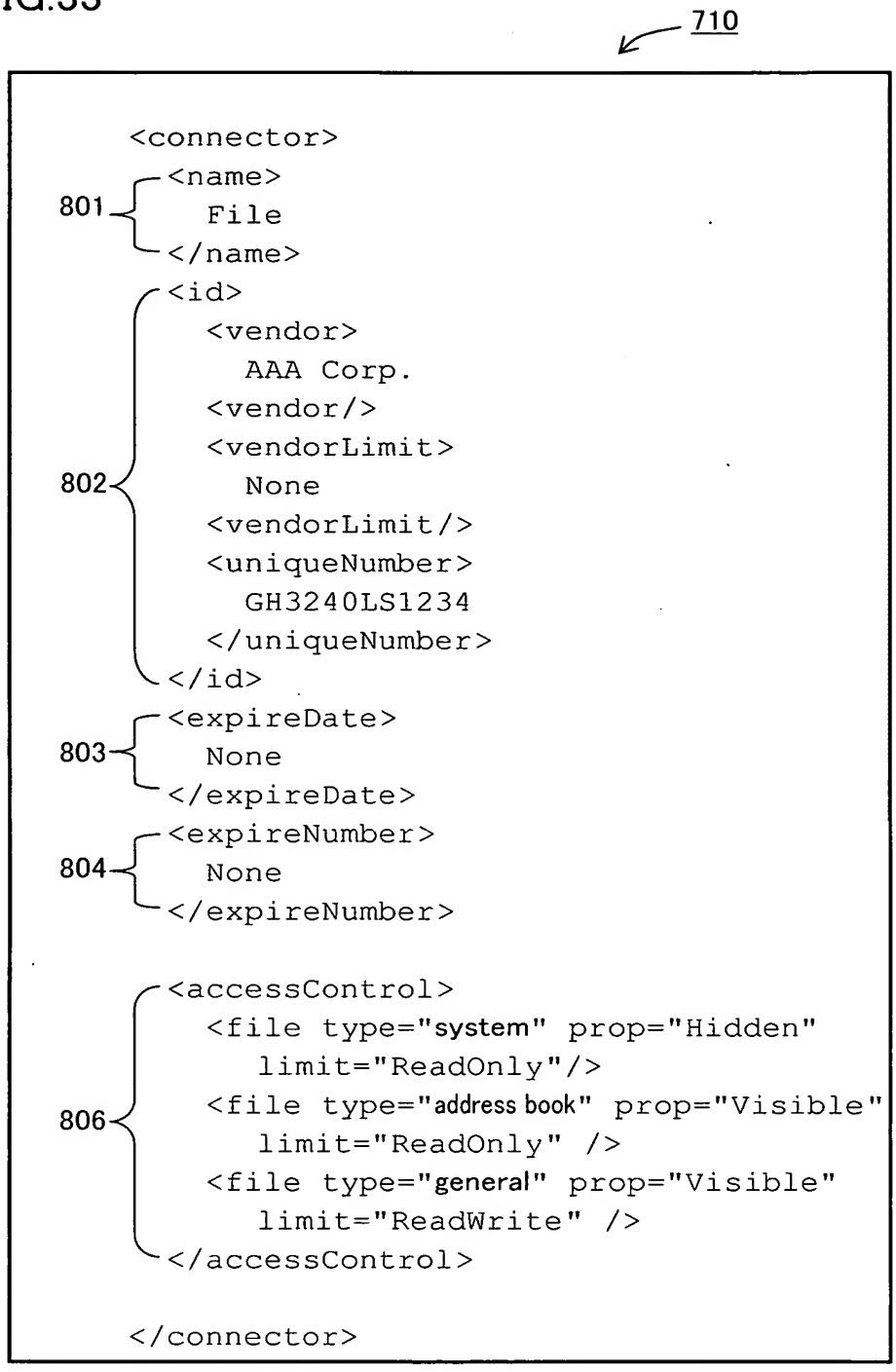

710
<connector>
<name>
File
</name>
801
<id>
<vendor>
AAA Corp.
<vendor/>
<vendorLimit>
None
<vendorLimit/>
<uniqueNumber>
GH3240LS1234
</uniqueNumber>
</id>
802
<expireDate>
None
</expireDate>
803
<expireNumber>
None
</expireNumber>
804
<accessControl>
<file type="system" prop="Hidden"
limit="ReadOnly"/>
<file type="address book" prop="Visible"
limit="ReadOnly" />
<file type="general" prop="Visible"
limit="ReadWrite" />
</accessControl>
806
</connector>

FIG.34

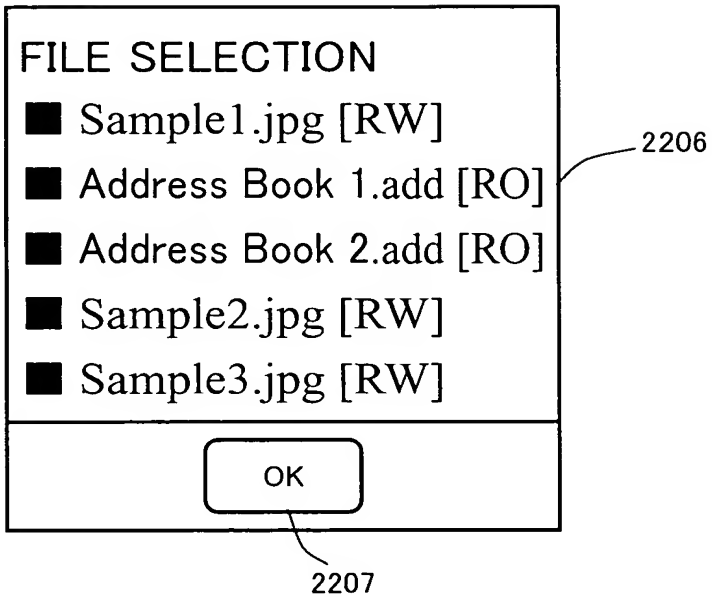

FILE SELECTION
Sample1.jpg [RW]
Address Book 1.add [RO]
Address Book 2.add [RO]
Sample2.jpg [RW]
Sample3.jpg [RW]
OK
2206
2207

FIG.35

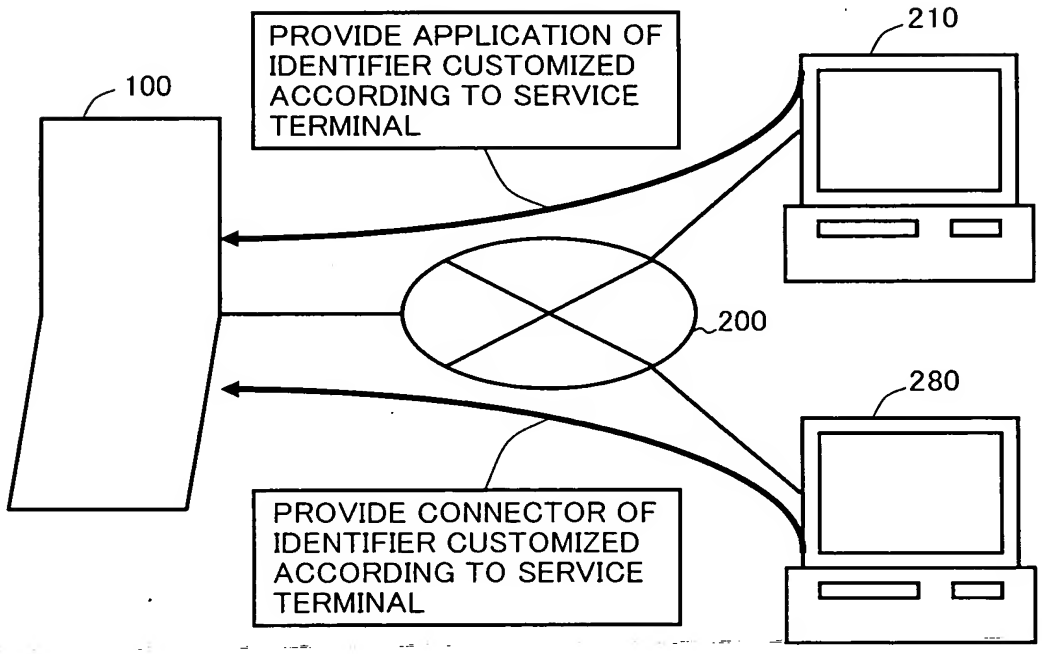

PROVIDE APPLICATION OF IDENTIFIER CUSTOMIZED ACCORDING TO SERVICE TERMINAL
100
210
200
280
PROVIDE CONNECTOR OF IDENTIFIER CUSTOMIZED ACCORDING TO SERVICE TERMINAL

FIG.36

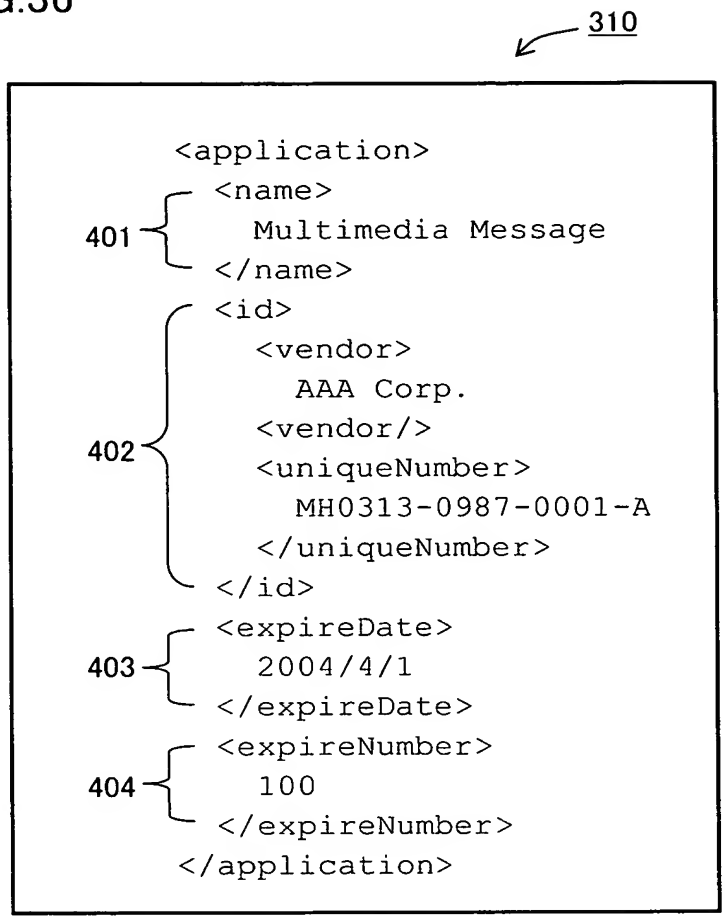

310
<application>
<name>
Multimedia Message
</name>
401
<id>
<vendor>
AAA Corp.
<vendor/>
<uniqueNumber>
MH0313-0987-0001-A
</uniqueNumber>
</id>
402
<expireDate>
2004/4/1
</expireDate>
403
<expireNumber>
100
</expireNumber>
404
</application>

FIG.37

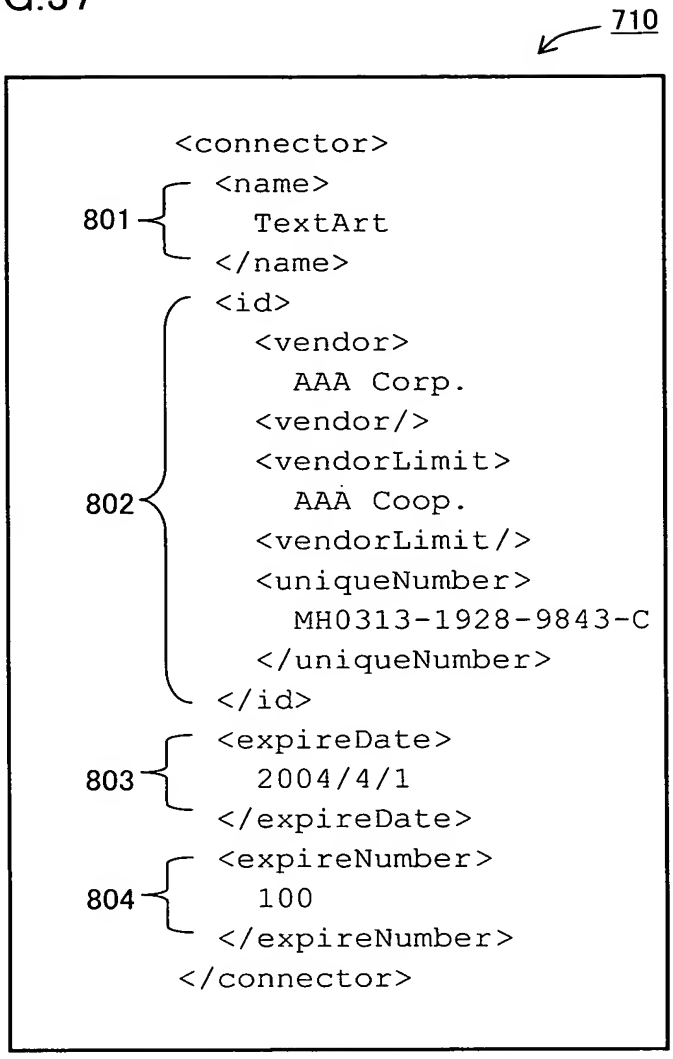

710
<connector>
<name>
TextArt
</name>
<id>
<vendor>
AAA Corp.
<vendor/>
<vendorLimit>
AAA Coop.
<vendorLimit/>
<uniqueNumber>
MH0313-1928-9843-C
</uniqueNumber>
</id>
<expireDate>
2004/4/1
</expireDate>
<expireNumber>
100
</expireNumber>
</connector>
801
802
803
804

FIG.38

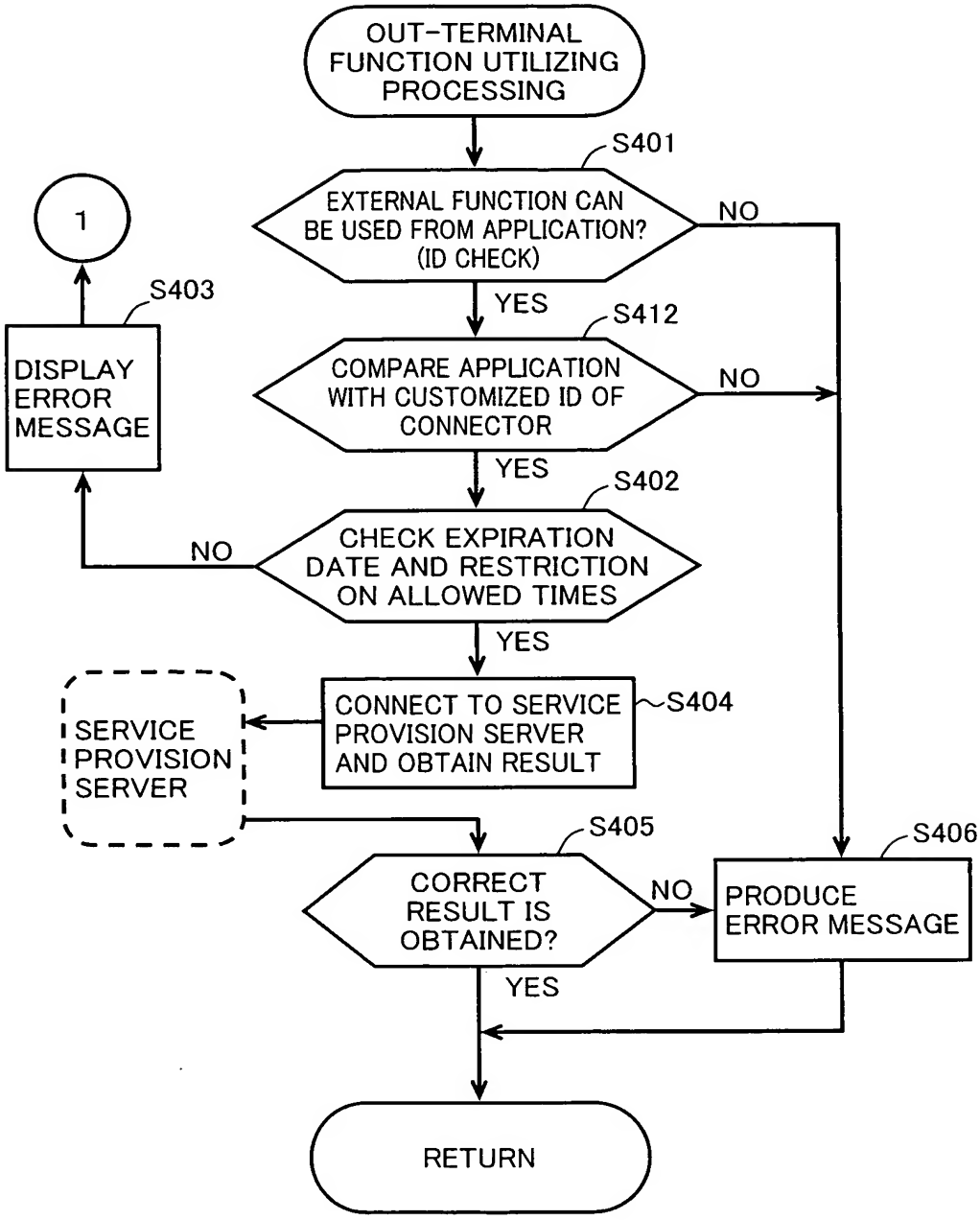

OUT-TERMINAL FUNCTION UTILIZING PROCESSING
S401
EXTERNAL FUNCTION CAN BE USED FROM APPLICATION? (ID CHECK)
NO
YES
S412
COMPARE APPLICATION WITH CUSTOMIZED ID OF CONNECTOR
NO
YES
S402
CHECK EXPIRATION DATE AND RESTRICTION ON ALLOWED TIMES
NO
YES
1
S403
DISPLAY ERROR MESSAGE
CONNECT TO SERVICE PROVISION SERVER AND OBTAIN RESULT
S404
SERVICE PROVISION SERVER
S405
CORRECT RESULT IS OBTAINED?
NO
YES
S406
PRODUCE ERROR MESSAGE
RETURN

FIG.39

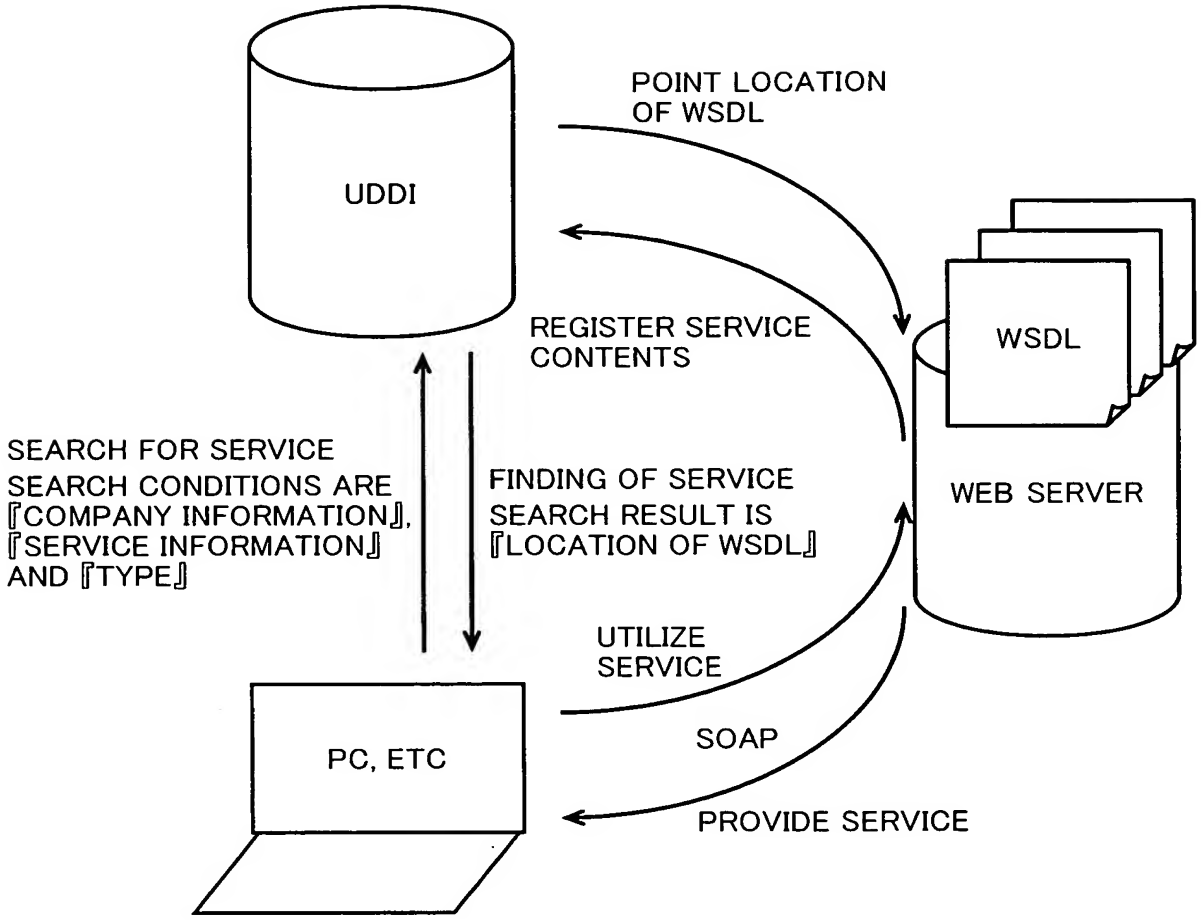

UDDI
POINT LOCATION OF WSDL
REGISTER SERVICE CONTENTS
WSDL
WEB SERVER
SEARCH FOR SERVICE
SEARCH CONDITIONS ARE 『COMPANY INFORMATION』, 『SERVICE INFORMATION』 AND 『TYPE』
FINDING OF SERVICE
SEARCH RESULT IS 『LOCATION OF WSDL』
UTILIZE SERVICE
SOAP
PROVIDE SERVICE
PC, ETC

FIG.40

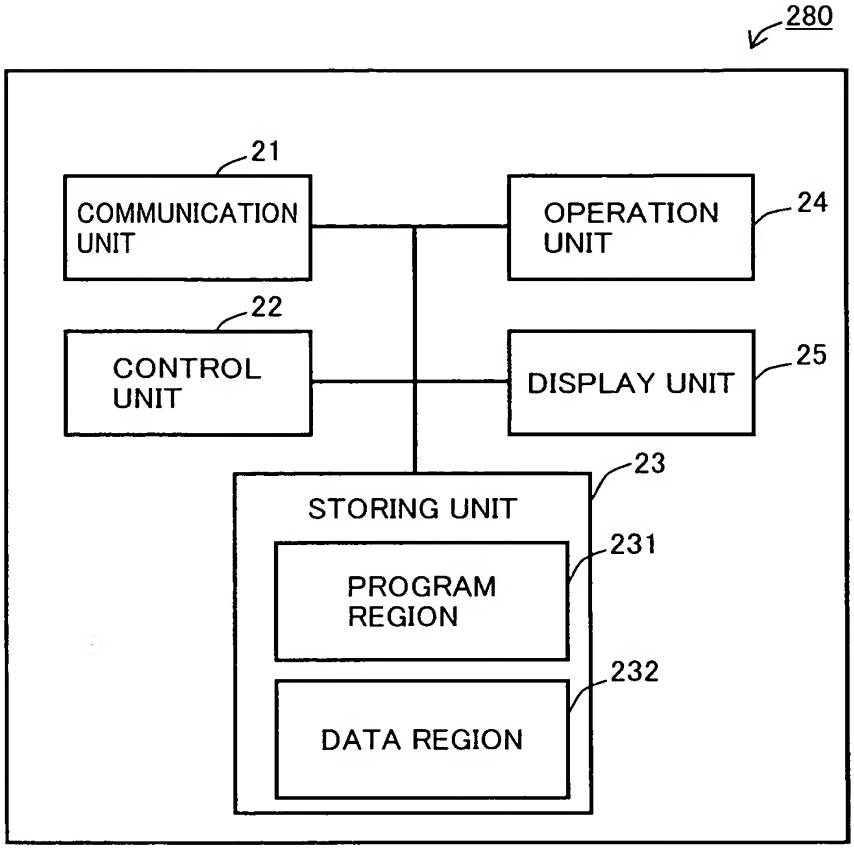

280
21
COMMUNICATION UNIT
OPERATION UNIT
24
22
CONTROL UNIT
DISPLAY UNIT
25
23
STORING UNIT
231
PROGRAM REGION
232
DATA REGION

FIG.41

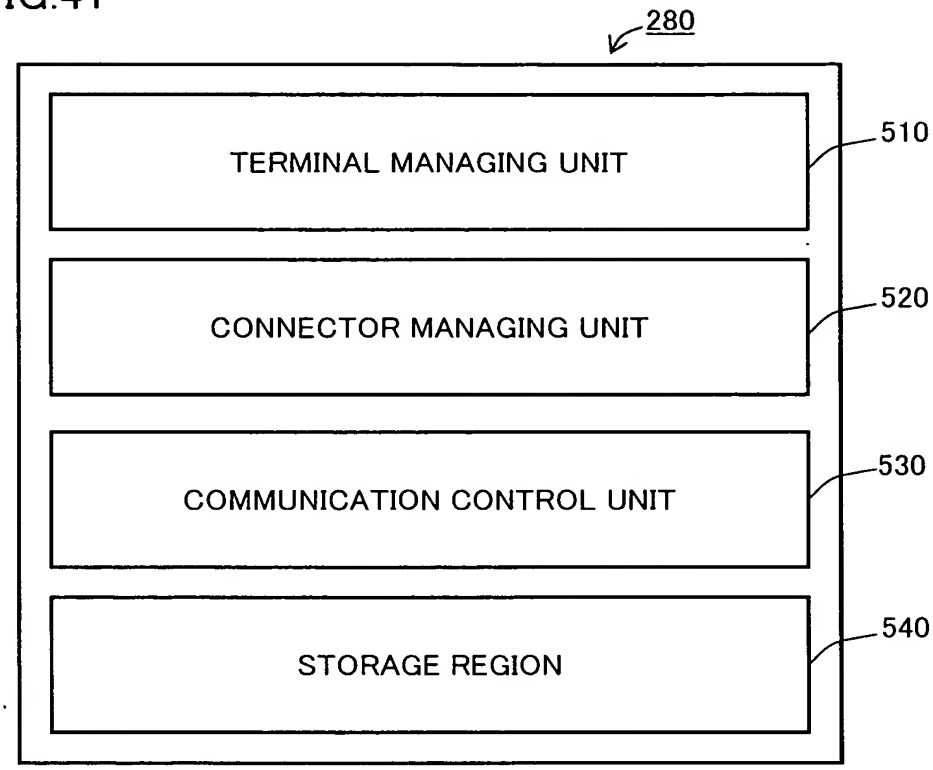

280
TERMINAL MANAGING UNIT
510
CONNECTOR MANAGING UNIT
520
COMMUNICATION CONTROL UNIT
530
STORAGE REGION
540

FIG.42

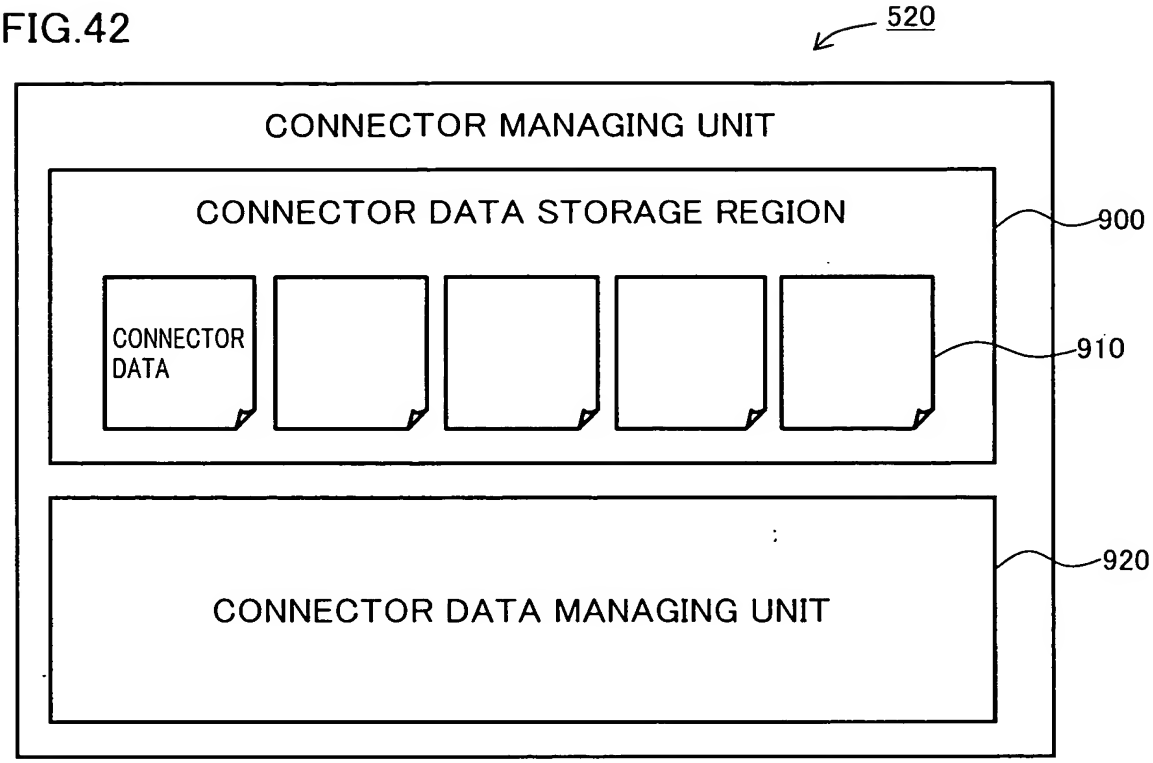

520
CONNECTOR MANAGING UNIT
CONNECTOR DATA STORAGE REGION
900
CONNECTOR DATA
910
CONNECTOR DATA MANAGING UNIT
920

FIG.43

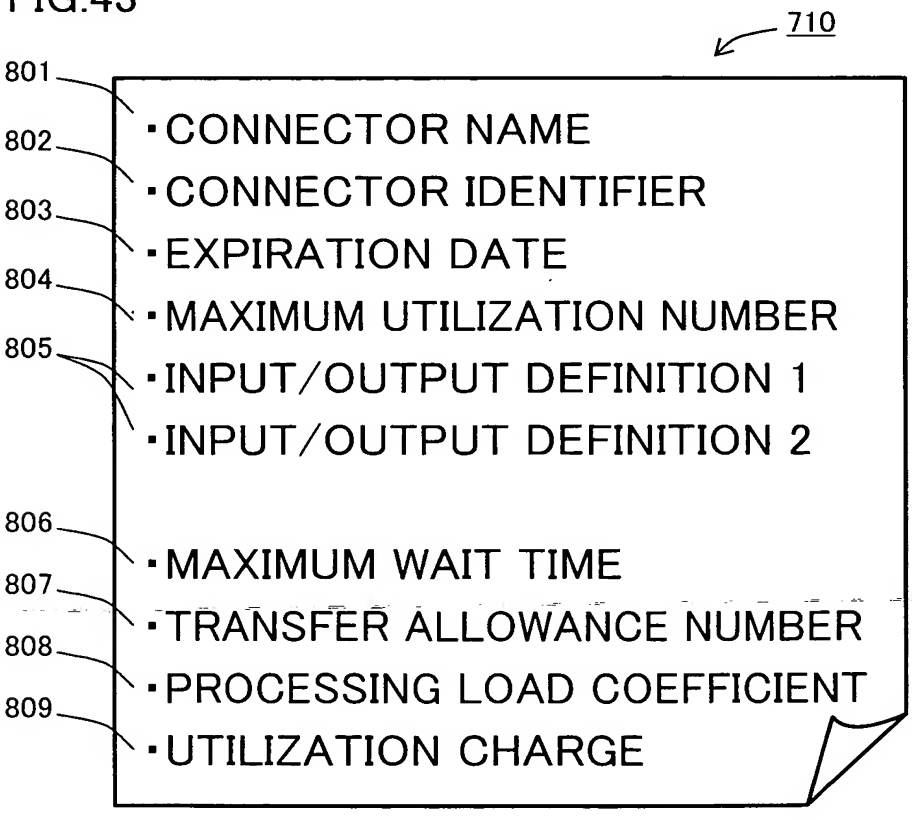

710
801
802
803
804
805
806
807
808
809
・CONNECTOR NAME
・CONNECTOR IDENTIFIER
・EXPIRATION DATE
・MAXIMUM UTILIZATION NUMBER
・INPUT/OUTPUT DEFINITION 1
・INPUT/OUTPUT DEFINITION 2
・MAXIMUM WAIT TIME
・TRANSFER ALLOWANCE NUMBER
・PROCESSING LOAD COEFFICIENT
・UTILIZATION CHARGE

FIG.44

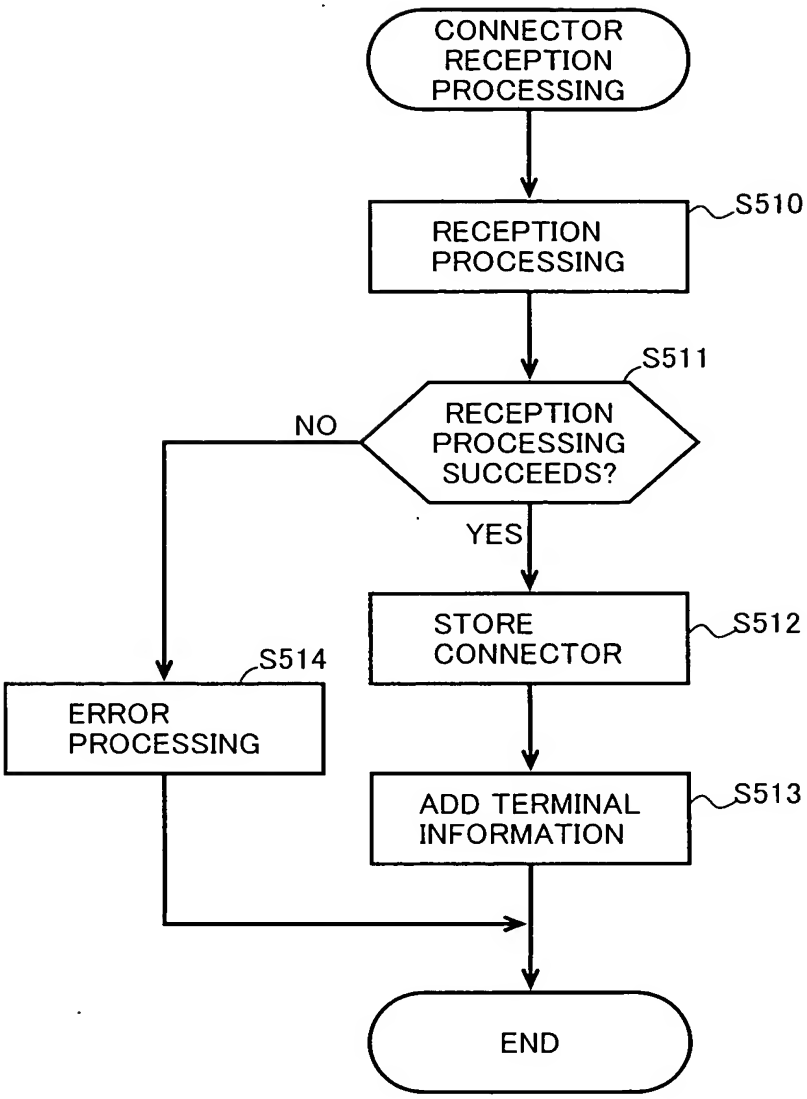

CONNECTOR RECEPTION PROCESSING
RECEPTION PROCESSING
S510
S511
RECEPTION PROCESSING SUCCEEDS?
NO
YES
STORE CONNECTOR
S512
ERROR PROCESSING
S514
ADD TERMINAL INFORMATION
S513
END

FIG.45

730

```
<serviceServer>
  <vendor>
    AAA Corp.
  <vendor/>
  <connector>
    <name>
      TextArt
    </name>
    <uniqueNumber>
      LS4369P3550
    </uniqueNumber>
  </connector>
  <registDate>
    2003/4/1
  </registDate>
  <expireNumber>
    100
  </expireNumber>
</serviceServer>
```

FIG.46

405

```
<smil>
  <head>
    <layout>
      <root-layout width="200" height="200"/>
      <region id="Image" width="150" height="100"
        left="25" top="10" />
      <region id="Text" width="180" height="30"
        left="10" top="120" />
      <button id="TextArt" width="40" height="30"
        left="10" top="160" />
      <button id="Camera" width="40" height="30"
        left="60" top="160" />
      <button id="File" width="30" height="30"
        left="110" top="160" />
      <button id="Send" width="40" height="30"
        left="150" top="160" />
    </layout>
    <action id="TextArt" >
      <setMedia func="name:TextArt" src="Text"
        dest="Text" scope="Server"/>
    </action>
    <action id="Camera" >
      <setMedia func="name:Camera" src=""
        dest="Image" scope="Terminal" />
    </action>
    <action id="File" >
      <setMedia func="name:File" src=""
        dest="Image" scope="Terminal" />
    </action>
    <action id="Send" >
      <setMedia func="name:Send" src=""
         dest="" scope="Terminal" />
    </action>
  </head>
  <body>
    <par>
      <event value="TextArt" action="TextArt" />
      <event value="Camera" action="Camera" />
      <event value="File" action="File" />
      <event value="Send" action="Send" />
    </par>
  </body>
</smil>
```

6023

FIG.47

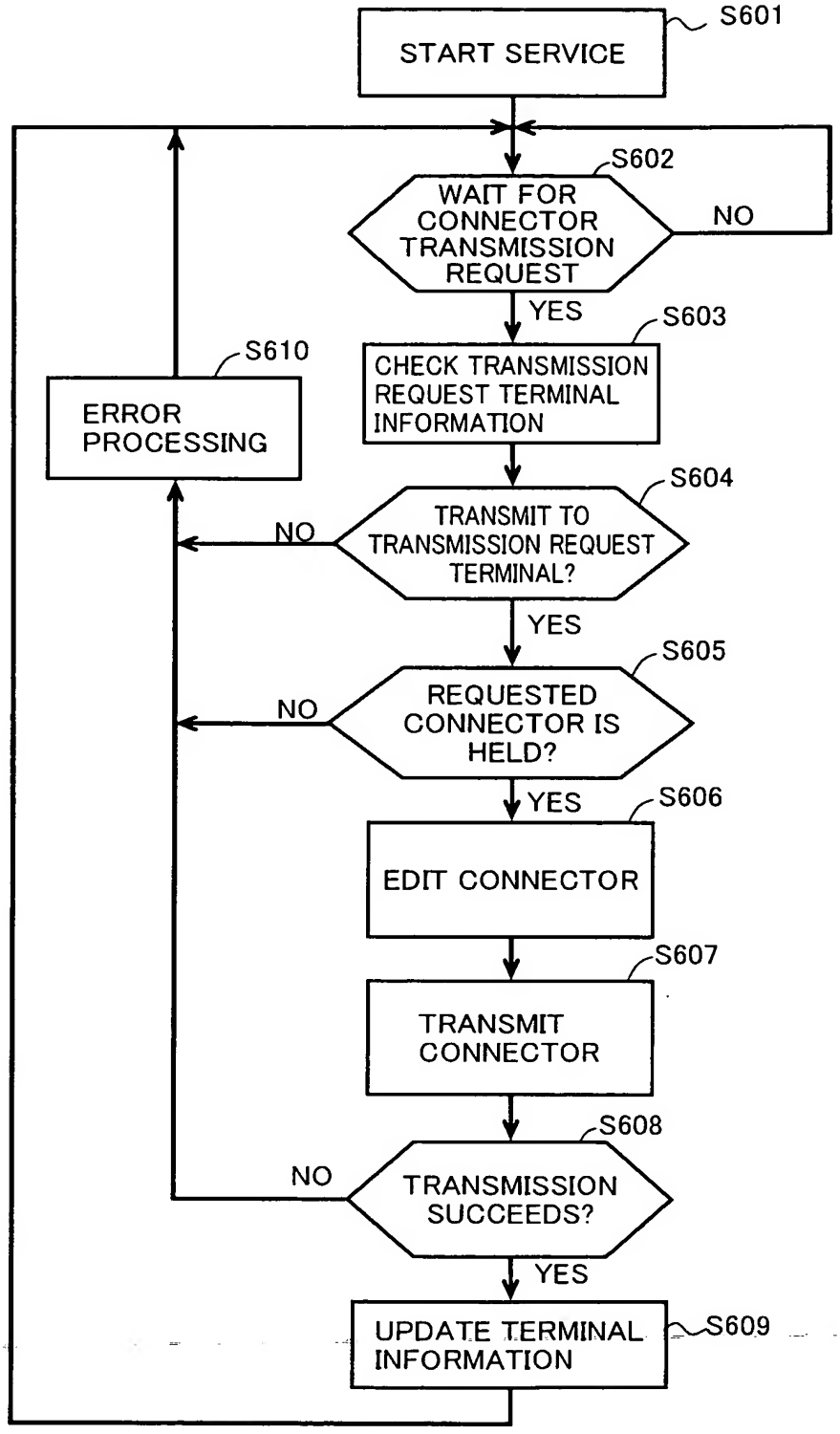

START SERVICE
S601
S602
WAIT FOR CONNECTOR TRANSMISSION REQUEST
NO
YES
S603
CHECK TRANSMISSION REQUEST TERMINAL INFORMATION
S604
TRANSMIT TO TRANSMISSION REQUEST TERMINAL?
NO
YES
S605
REQUESTED CONNECTOR IS HELD?
NO
YES
S606
EDIT CONNECTOR
S607
TRANSMIT CONNECTOR
S608
TRANSMISSION SUCCEEDS?
NO
YES
S609
UPDATE TERMINAL INFORMATION
S610
ERROR PROCESSING

FIG.48

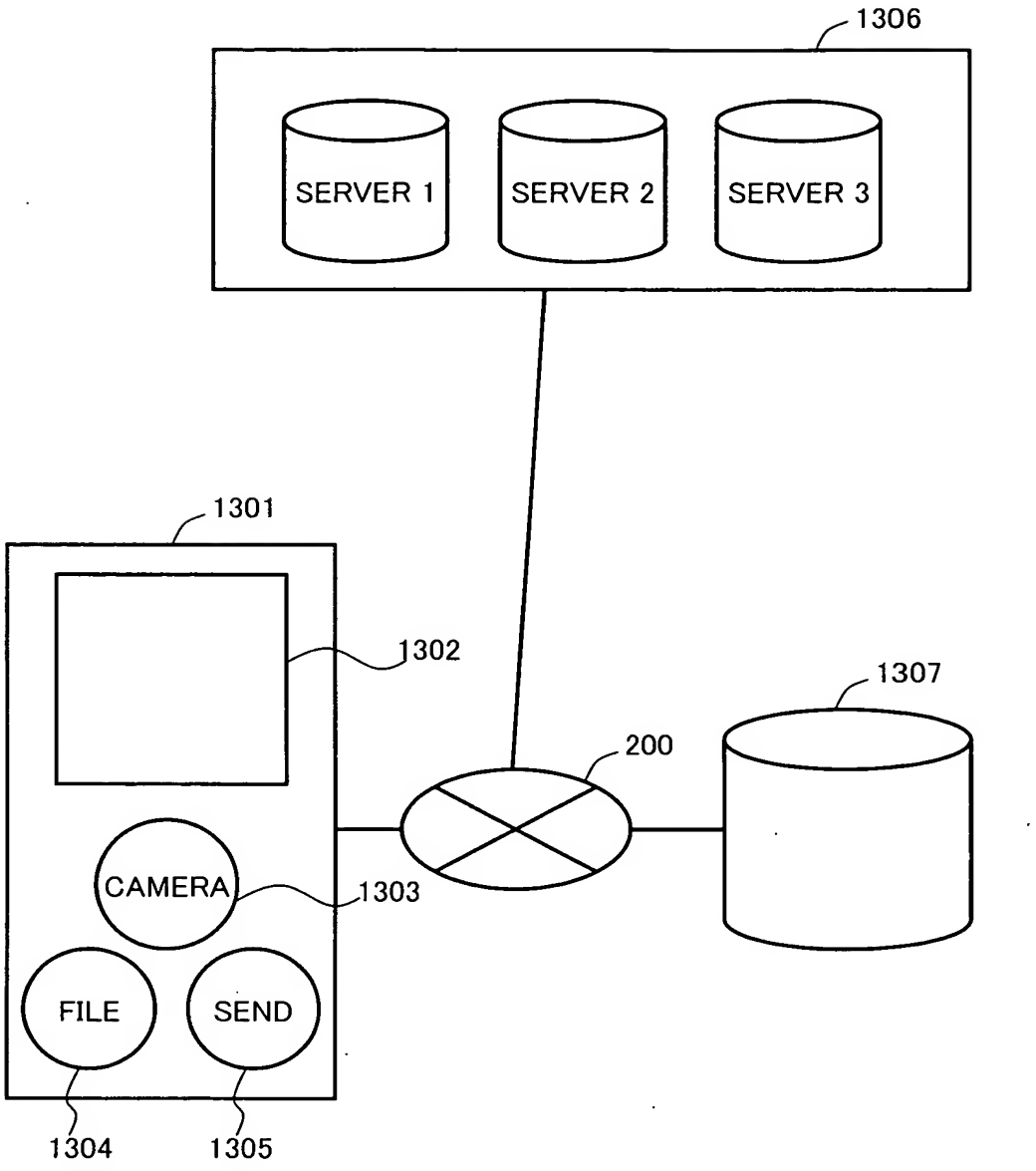

1306
SERVER 1
SERVER 2
SERVER 3
1301
1302
1307
200
CAMERA
1303
FILE
SEND
1304
1305

FIG.49

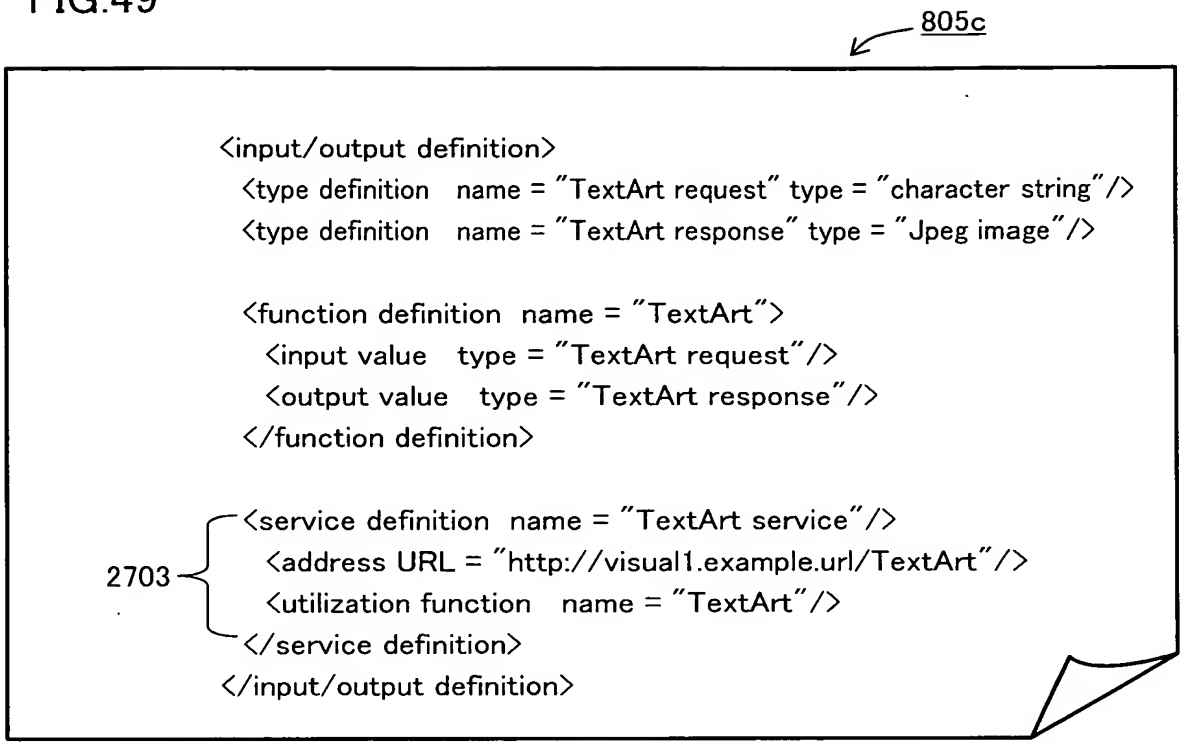

805c
<input/output definition>
<type definition name = "TextArt request" type = "character string"/>
<type definition name = "TextArt response" type = "Jpeg image"/>
<function definition name = "TextArt">
<input value type = "TextArt request"/>
<output value type = "TextArt response"/>
</function definition>
2703
<service definition name = "TextArt service"/>
<address URL = "http://visual1.example.url/TextArt"/>
<utilization function name = "TextArt"/>
</service definition>
</input/output definition>

FIG.50

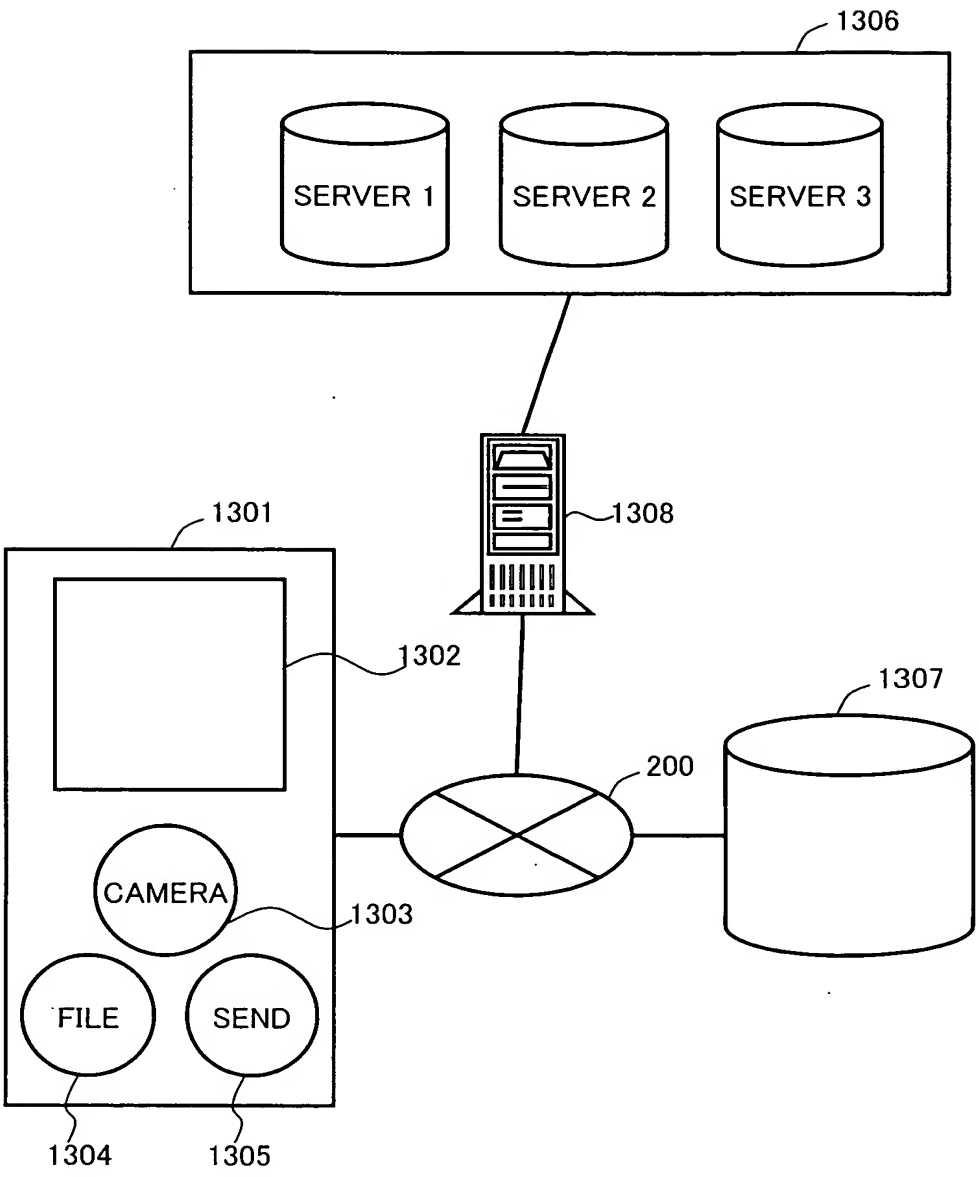

1306
SERVER 1
SERVER 2
SERVER 3
1308
1301
1302
1307
200
CAMERA
1303
FILE
SEND
1304
1305

FIG.51

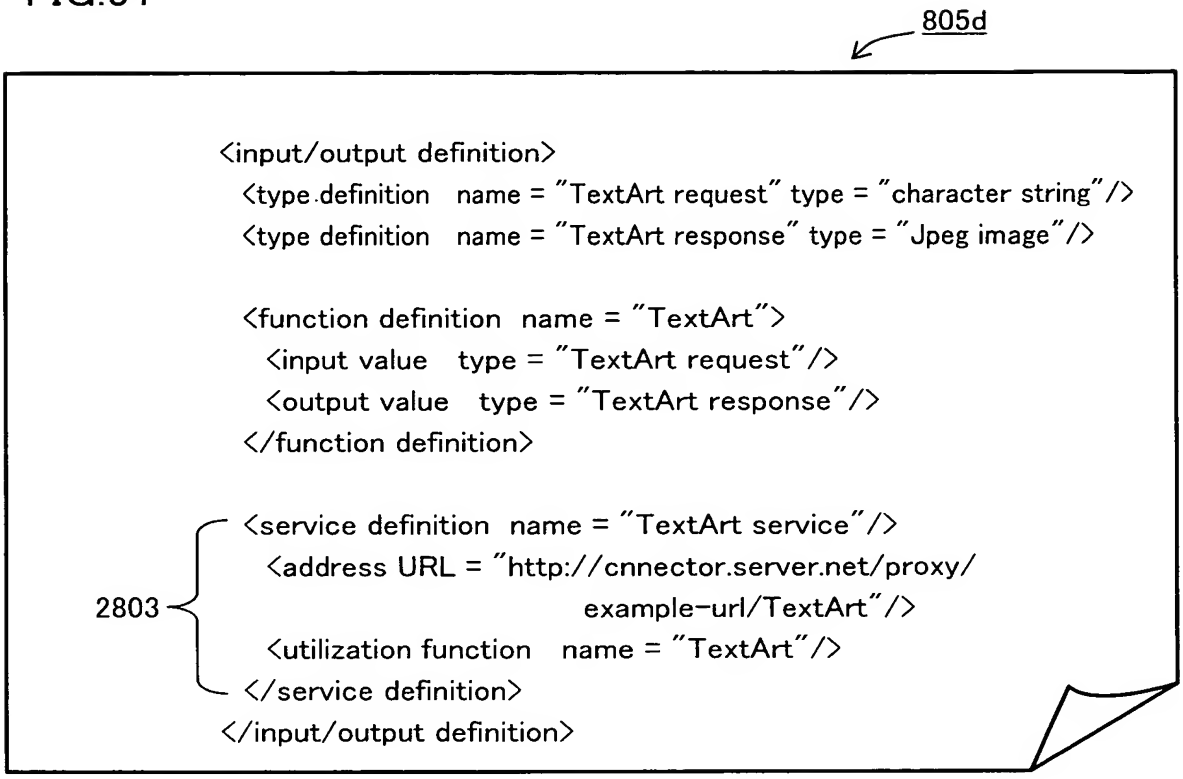

805d
<input/output definition>
<type definition name = "TextArt request" type = "character string"/>
<type definition name = "TextArt response" type = "Jpeg image"/>
<function definition name = "TextArt">
<input value type = "TextArt request"/>
<output value type = "TextArt response"/>
</function definition>
<service definition name = "TextArt service"/>
<address URL = "http://cnnector.server.net/proxy/
example-url/TextArt"/>
<utilization function name = "TextArt"/>
</service definition>
</input/output definition>
2803

FIG.52

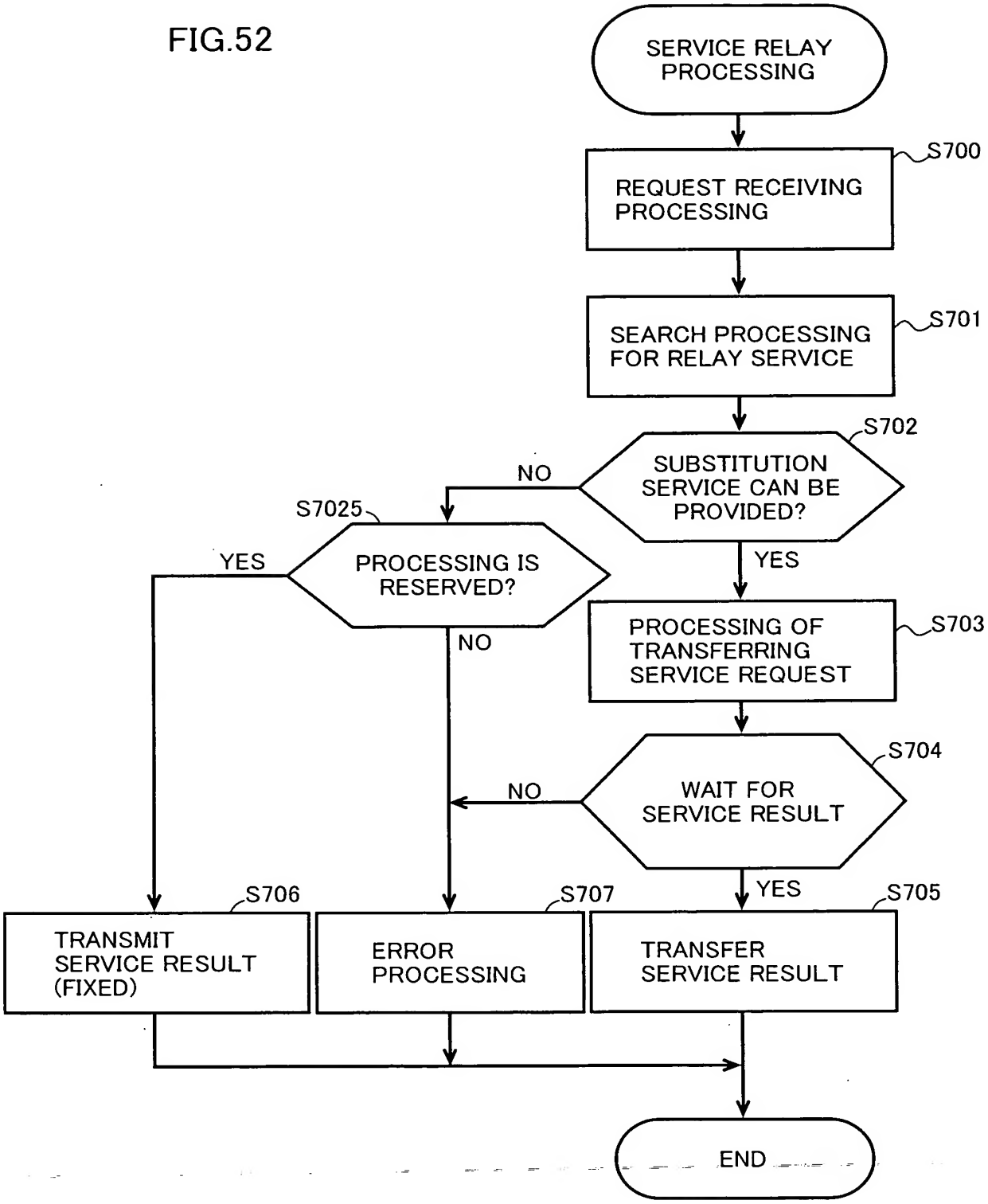

SERVICE RELAY PROCESSING
S700
REQUEST RECEIVING PROCESSING
S701
SEARCH PROCESSING FOR RELAY SERVICE
S702
SUBSTITUTION SERVICE CAN BE PROVIDED?
NO
YES
S7025
PROCESSING IS RESERVED?
YES
NO
S703
PROCESSING OF TRANSFERRING SERVICE REQUEST
S704
WAIT FOR SERVICE RESULT
NO
YES
S706
TRANSMIT SERVICE RESULT (FIXED)
S707
ERROR PROCESSING
S705
TRANSFER SERVICE RESULT
END

FIG.53

405

```
<smil>
 <head>
  <layout>
   <root-layout width="200" height="200"/>
   <region id="Text:1" width="80" height="30"
    left="10" top="10" />
   <region id="Text:2" width="80" height="30"
    left="10" top="50" />
   <button id="Text:3" width="80" height="30"
    left="10" top="90" />
   <button id="auto-fill" width="40" height="30"
    left="10" top="130" />
   <button id="send" width="30" height="30"
    left="60" top="130" />
  </layout>
  <action id="auto-fill" >
   <setMedia func="name:getAddress" src=""
    dest="Text:1" scope="Terminal"/>
   <setMedia func="name:getCompany" src=""
    dest="Text:2" scope="Terminal"/>
   <setMedia func="name:getName" src=""
    dest="Text:3" scope="Terminal"/>
  </action>
 </head>
 <body>
  <par>
   <event value="auto-fill" action="auto-fill" />
   <event value="Send" action="Send" />
  </par>
 </body>
</smil>
```

5301

FIG.54

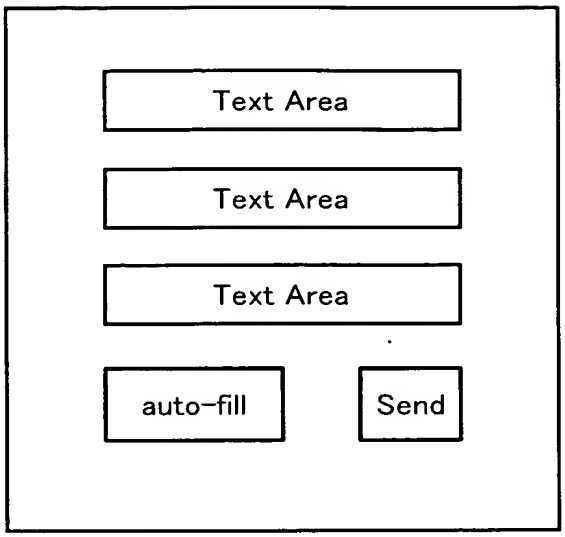

Text Area
Text Area
Text Area
auto-fill
Send

FIG.55

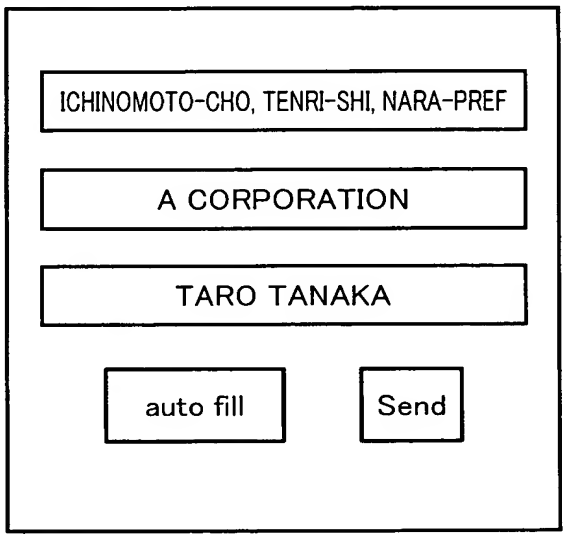

ICHINOMOTO-CHO, TENRI-SHI, NARA-PREF
A CORPORATION
TARO TANAKA
auto fill
Send

FIG.56

405

```
<smil>
 <head>
  <layout>
   <root-layout width="200" height="200"/>
   <region id="Text" width="80" height="30"
    left="10" top="10" />
  </layout>
 </head>
 <body>
  <par>
   <switch>
    <text src="secret.txt" region="Text"
     func="name:getRole" scope="Terminal
     return="chief director" >
    <text src="public.txt" region="Text"
     func="name:getRole" scope="Terminal
     return="" >
   </switch>
  </par>
 </body>
</smil>
```

5601

FIG.57

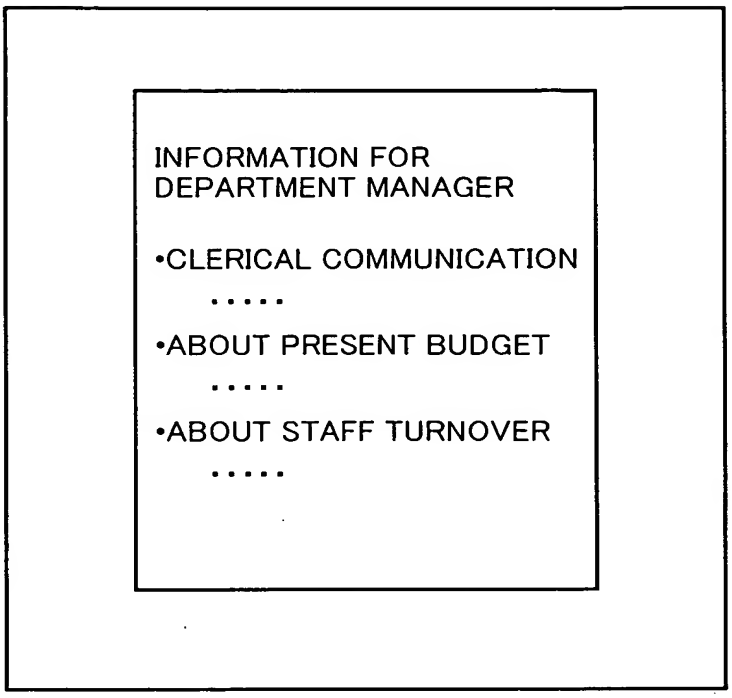

INFORMATION FOR
DEPARTMENT MANAGER
•CLERICAL COMMUNICATION
.....
•ABOUT PRESENT BUDGET
.....
•ABOUT STAFF TURNOVER
.....

FIG.58

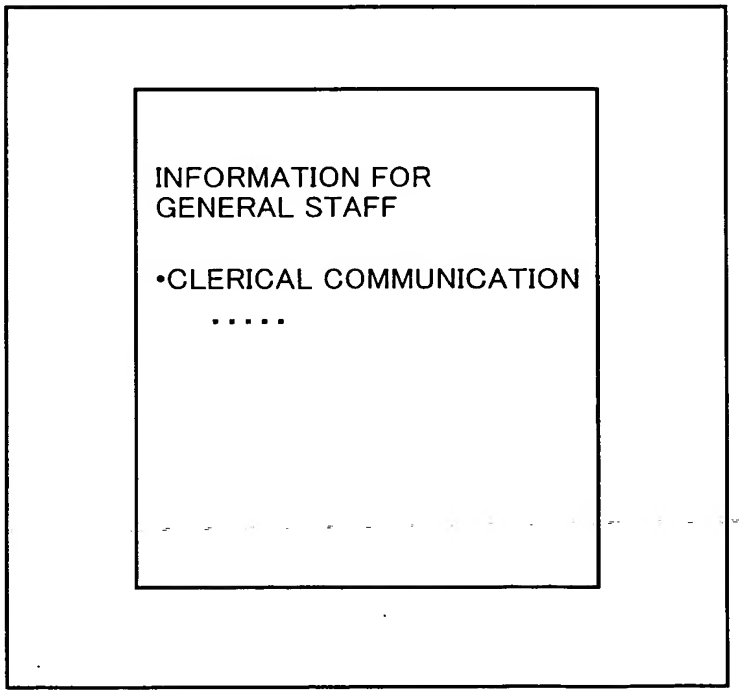

INFORMATION FOR
GENERAL STAFF
•CLERICAL COMMUNICATION
.....

FIG.59

405

```
<smil>
 <head>
  <layout>
   <root-layout width="100" height="200"/>
   <region id="Text" width="80" height="120"
    left="10" top="10" />
   <switch>
    <button id="approve" width="40" height="30"
     left="10" top="140"
     func="name:getRole" return="chief director" >
   </switch>
  </layout>
 </head>
 <body>
  <par>
   <text src="plan.txt" region="Text">
  </par>
 </body>
</smil>
```

FIG.60

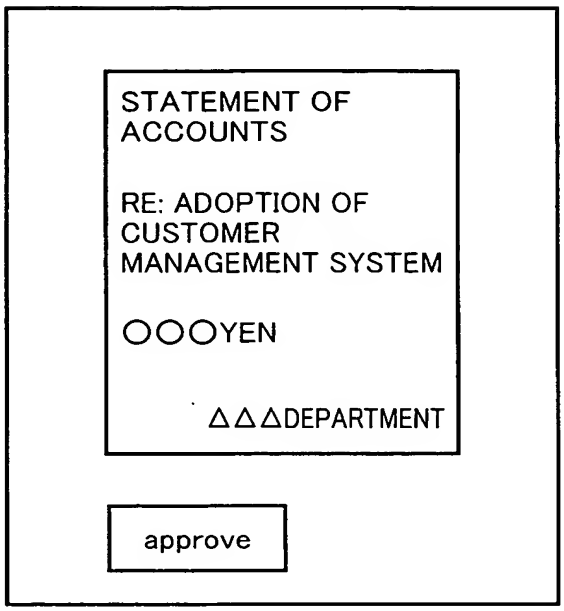

STATEMENT OF ACCOUNTS
RE: ADOPTION OF CUSTOMER MANAGEMENT SYSTEM
○○○YEN
△△△DEPARTMENT
approve

FIG.61

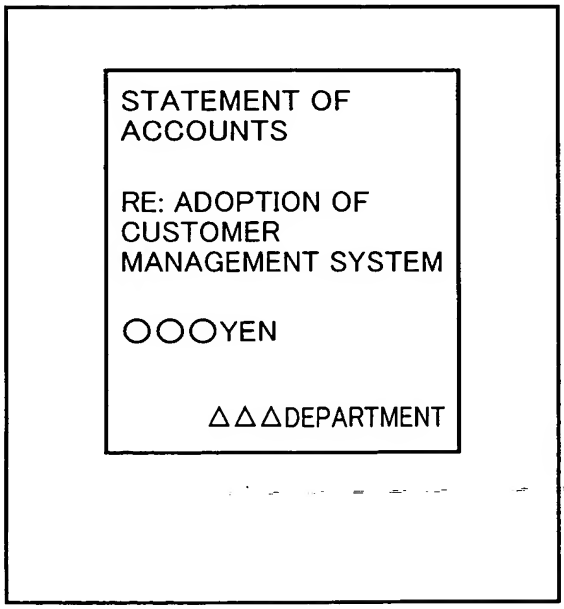

STATEMENT OF ACCOUNTS
RE: ADOPTION OF CUSTOMER MANAGEMENT SYSTEM
○○○YEN
△△△DEPARTMENT

FIG.62

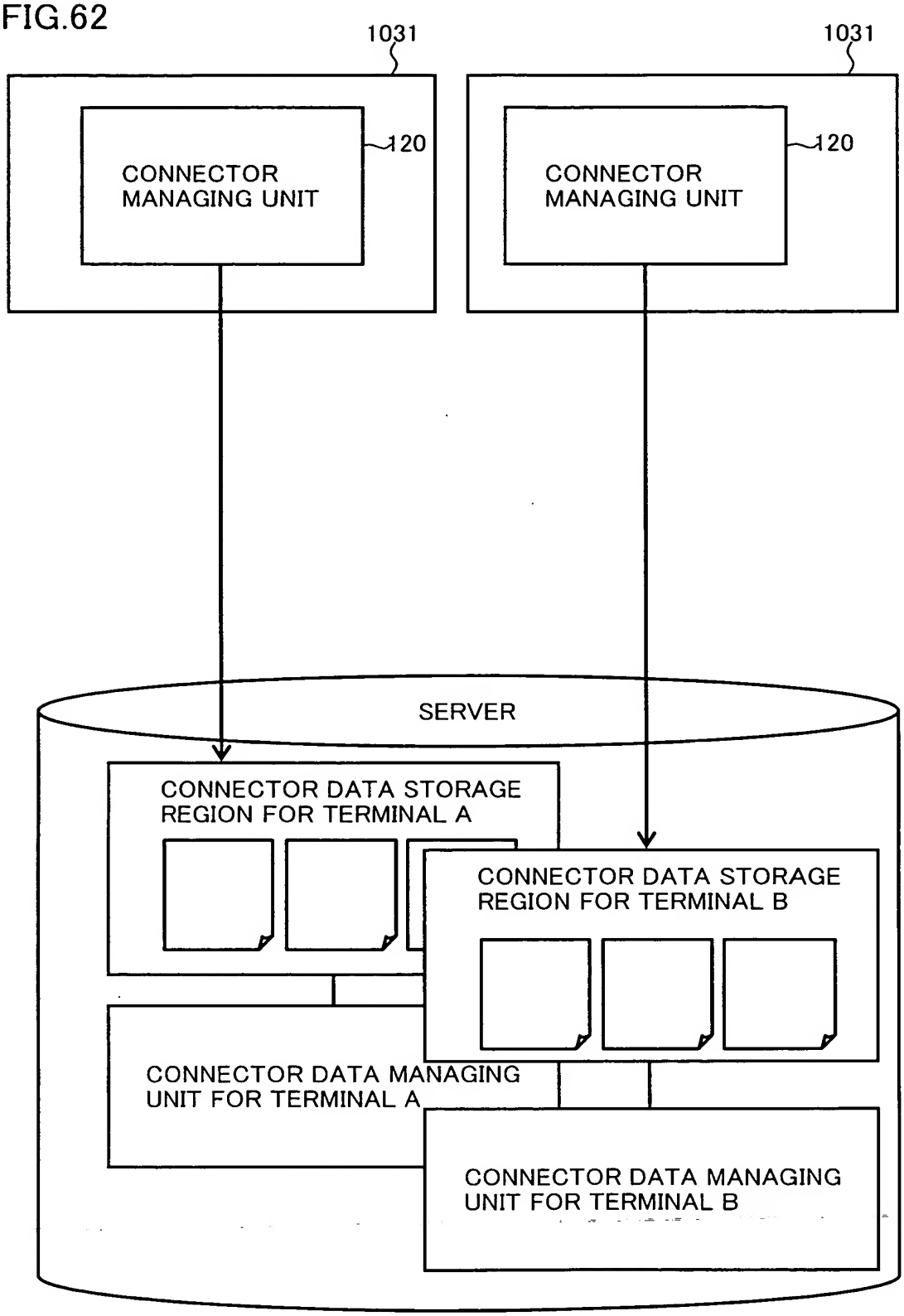

1031
1031
120
120
CONNECTOR MANAGING UNIT
CONNECTOR MANAGING UNIT
SERVER
CONNECTOR DATA STORAGE REGION FOR TERMINAL A
CONNECTOR DATA STORAGE REGION FOR TERMINAL B
CONNECTOR DATA MANAGING UNIT FOR TERMINAL A
CONNECTOR DATA MANAGING UNIT FOR TERMINAL B

FIG.63

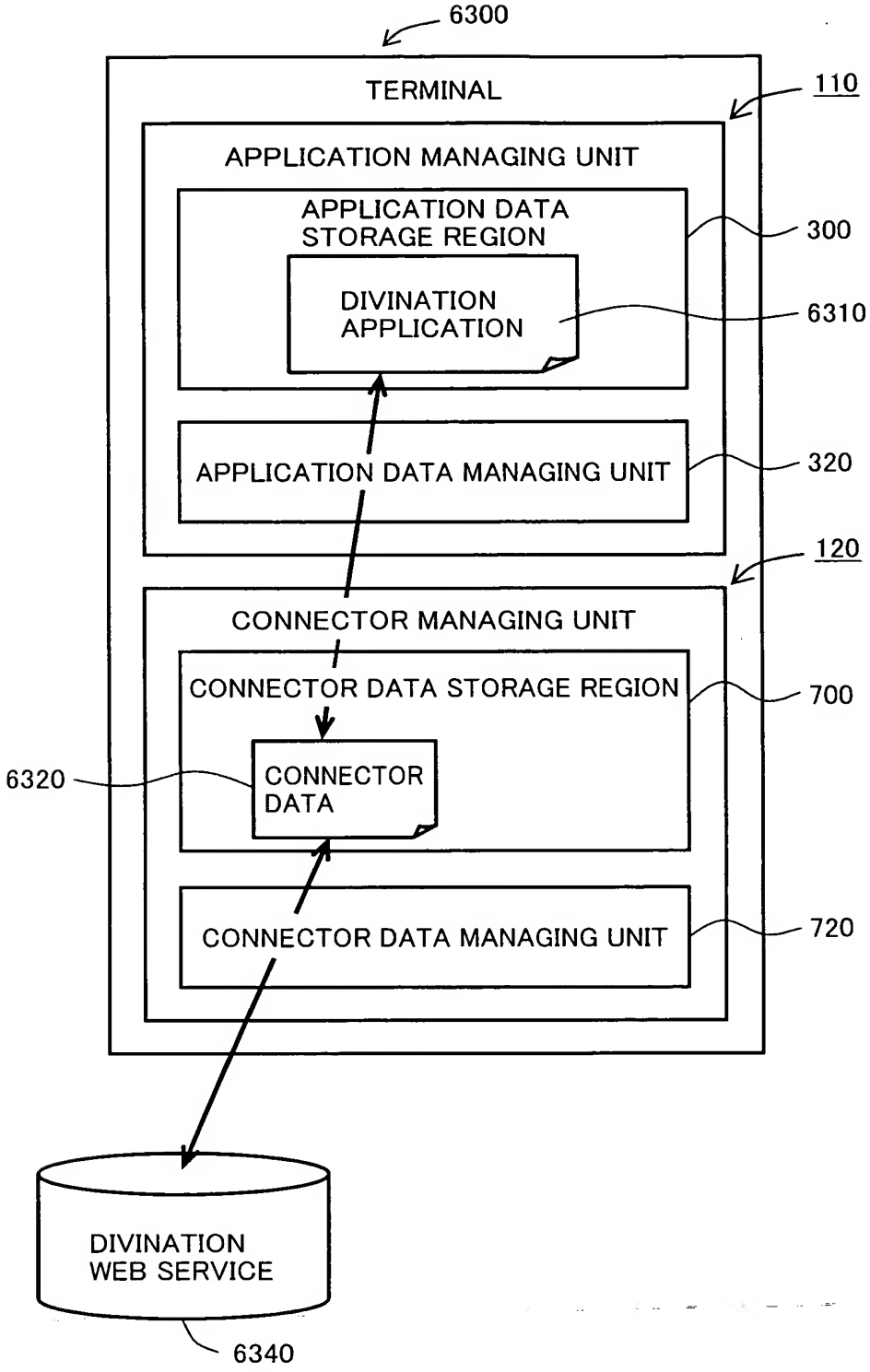

6300
TERMINAL
110
APPLICATION MANAGING UNIT
APPLICATION DATA STORAGE REGION
300
DIVINATION APPLICATION
6310
APPLICATION DATA MANAGING UNIT
320
120
CONNECTOR MANAGING UNIT
CONNECTOR DATA STORAGE REGION
700
6320
CONNECTOR DATA
CONNECTOR DATA MANAGING UNIT
720
DIVINATION WEB SERVICE
6340

FIG.64

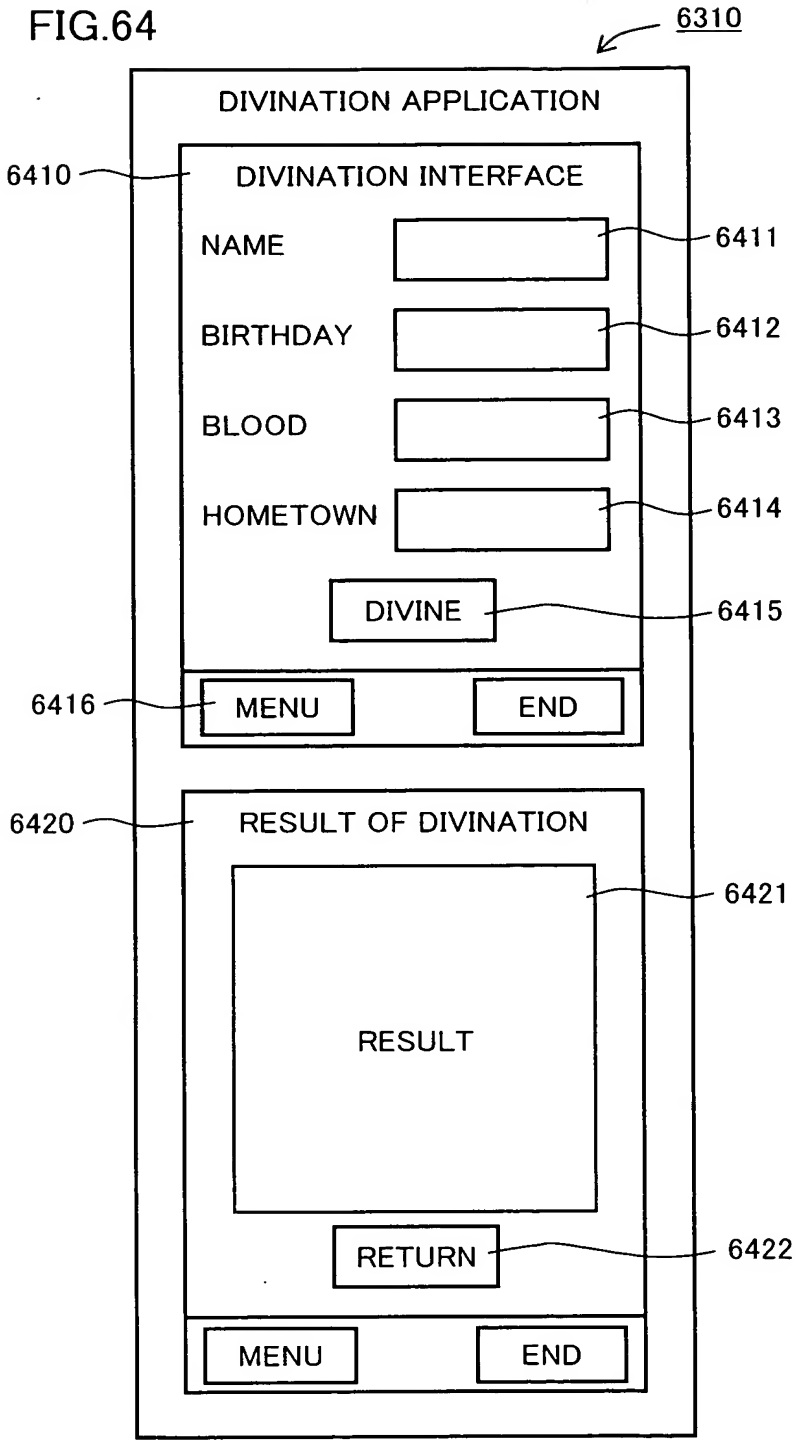

6310
DIVINATION APPLICATION
6410
DIVINATION INTERFACE
NAME
6411
BIRTHDAY
6412
BLOOD
6413
HOMETOWN
6414
DIVINE
6415
6416
MENU
END
6420
RESULT OF DIVINATION
6421
RESULT
RETURN
6422
MENU
END

FIG.65

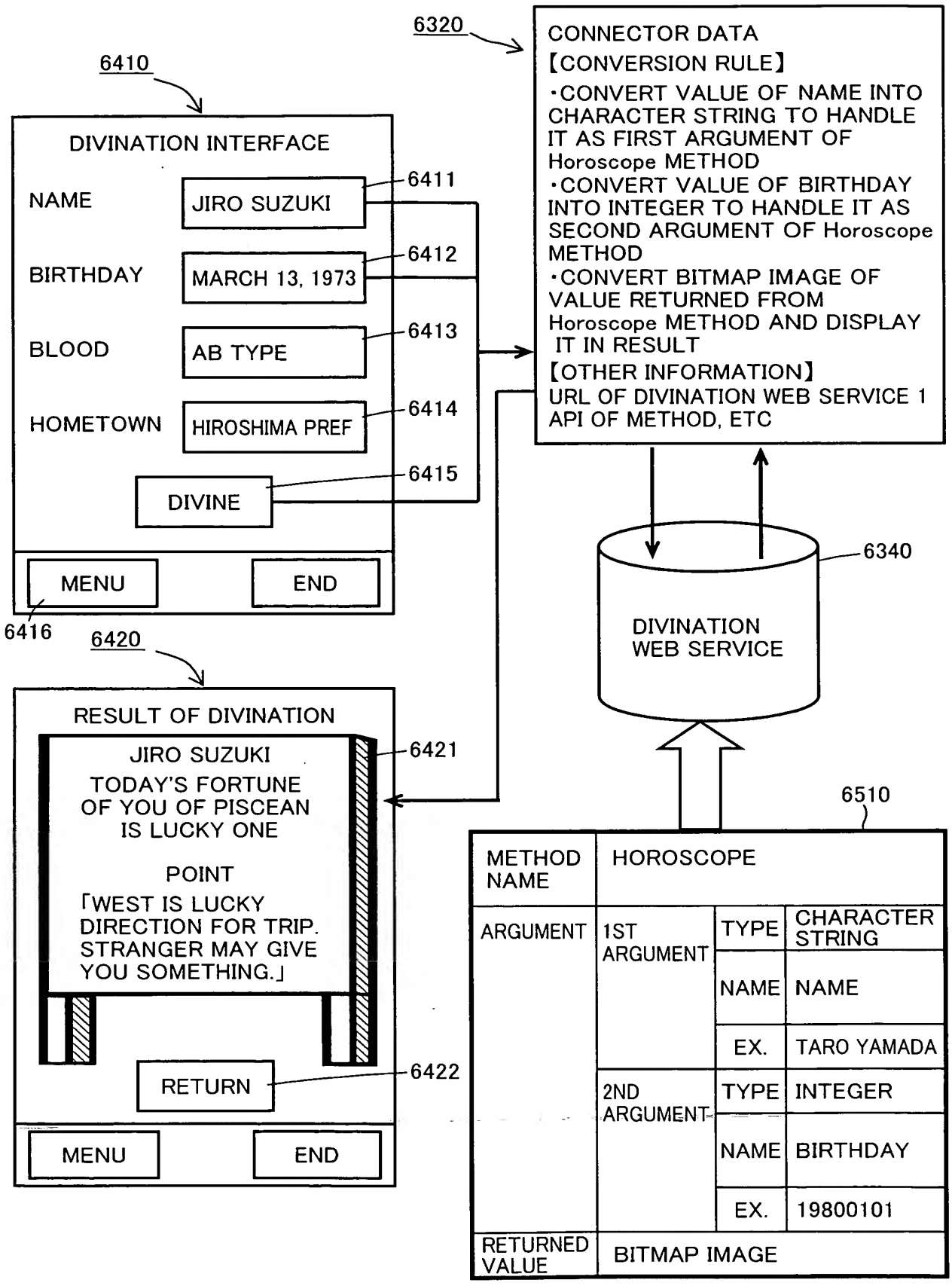

6320
CONNECTOR DATA
【CONVERSION RULE】
・CONVERT VALUE OF NAME INTO CHARACTER STRING TO HANDLE IT AS FIRST ARGUMENT OF Horoscope METHOD
・CONVERT VALUE OF BIRTHDAY INTO INTEGER TO HANDLE IT AS SECOND ARGUMENT OF Horoscope METHOD
・CONVERT BITMAP IMAGE OF VALUE RETURNED FROM Horoscope METHOD AND DISPLAY IT IN RESULT
【OTHER INFORMATION】
URL OF DIVINATION WEB SERVICE 1
API OF METHOD, ETC
6410
DIVINATION INTERFACE
NAME
JIRO SUZUKI
6411
BIRTHDAY
MARCH 13, 1973
6412
BLOOD
AB TYPE
6413
HOMETOWN
HIROSHIMA PREF
6414
DIVINE
6415
MENU
END
6416
6340
DIVINATION WEB SERVICE
6420
RESULT OF DIVINATION
JIRO SUZUKI
TODAY'S FORTUNE OF YOU OF PISCEAN IS LUCKY ONE
POINT
「WEST IS LUCKY DIRECTION FOR TRIP. STRANGER MAY GIVE YOU SOMETHING.」
6421
RETURN
6422
MENU
END
6510
METHOD NAME
HOROSCOPE
ARGUMENT
1ST ARGUMENT
TYPE
CHARACTER STRING
NAME
NAME
EX.
TARO YAMADA
2ND ARGUMENT
TYPE
INTEGER
NAME
BIRTHDAY
EX.
19800101
RETURNED VALUE
BITMAP IMAGE

FIG.66

```
<convert method="Horoscope">
   <paramConv  fromApp="NAME" fromType="String"
           toService="name" toType="String" />
   <paramConv  fromApp="BIRTHDAY" fromType="String"
           toService="birthday" toType="int" />
   <returnConv fromService="ReturnValue" fromType="bitmap"
           toApp="RESULT" toType="jpeg"/>
</convert>
```

FIG.67

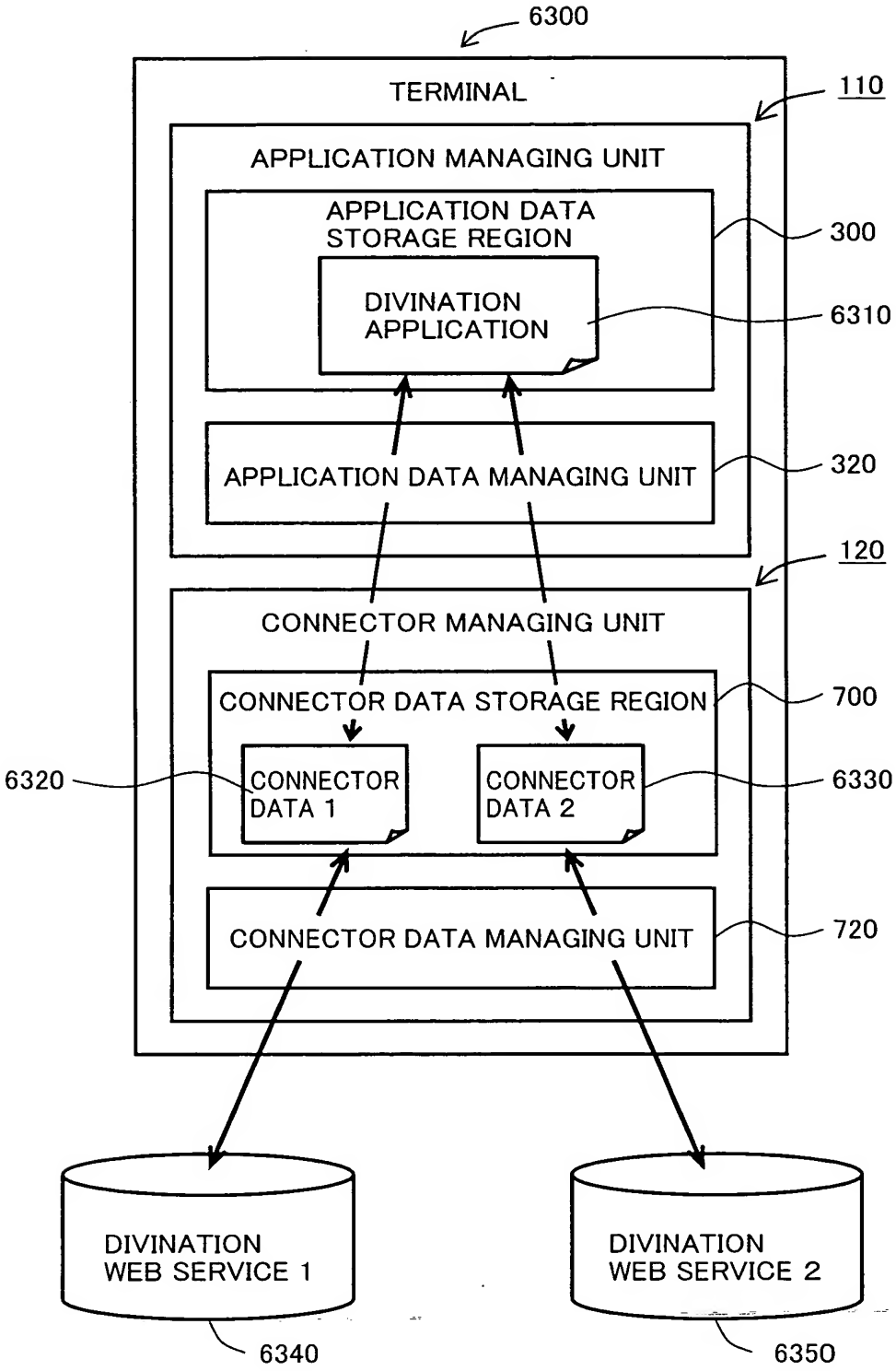
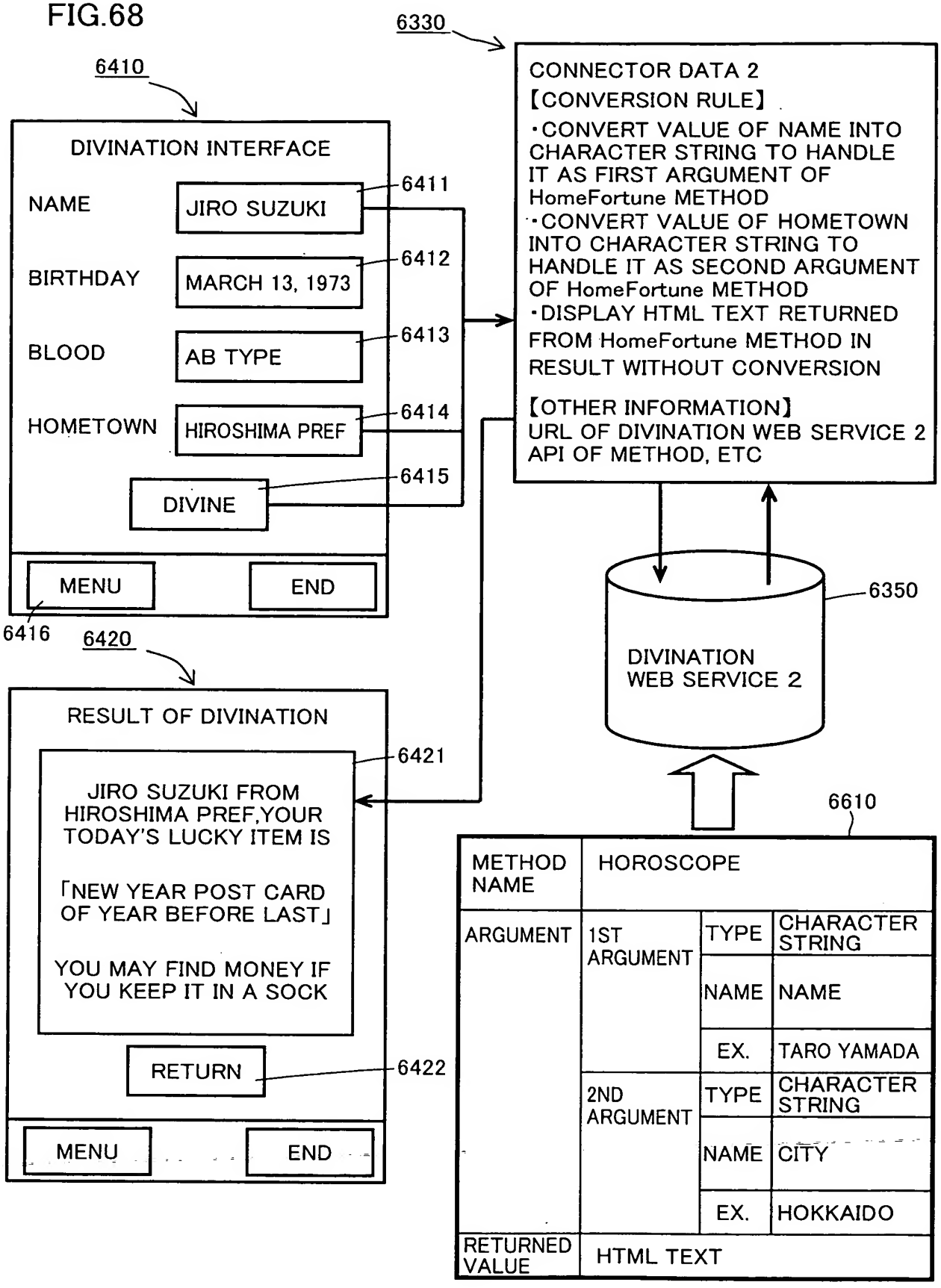

6300
TERMINAL
110
APPLICATION MANAGING UNIT
APPLICATION DATA STORAGE REGION
300
DIVINATION APPLICATION
6310
APPLICATION DATA MANAGING UNIT
320
120
CONNECTOR MANAGING UNIT
CONNECTOR DATA STORAGE REGION
700
6320
CONNECTOR DATA 1
CONNECTOR DATA 2
6330
CONNECTOR DATA MANAGING UNIT
720
DIVINATION WEB SERVICE 1
DIVINATION WEB SERVICE 2
6340
6350

FIG.68



METHOD NAME	HOROSCOPE		
ARGUMENT	1ST ARGUMENT	TYPE	CHARACTER STRING
		NAME	NAME
		EX.	TARO YAMADA
	2ND ARGUMENT	TYPE	CHARACTER STRING
		NAME	CITY
		EX.	HOKKAIDO
RETURNED VALUE	HTML TEXT		

FIG.69

```
<convert method="HomeFortune">
  <paramConv  fromApp="NAME" fromType="String"
        toService="name" toType="String" />
  <paramConv  fromApp="HOMETOWN" fromType="String"
        toService="city" toType="String" />
  <returnConv fromService="ReturnValue" fromType="html"
        toApp="RESULT" toType="html"/>
</convert>
```

FIG.70

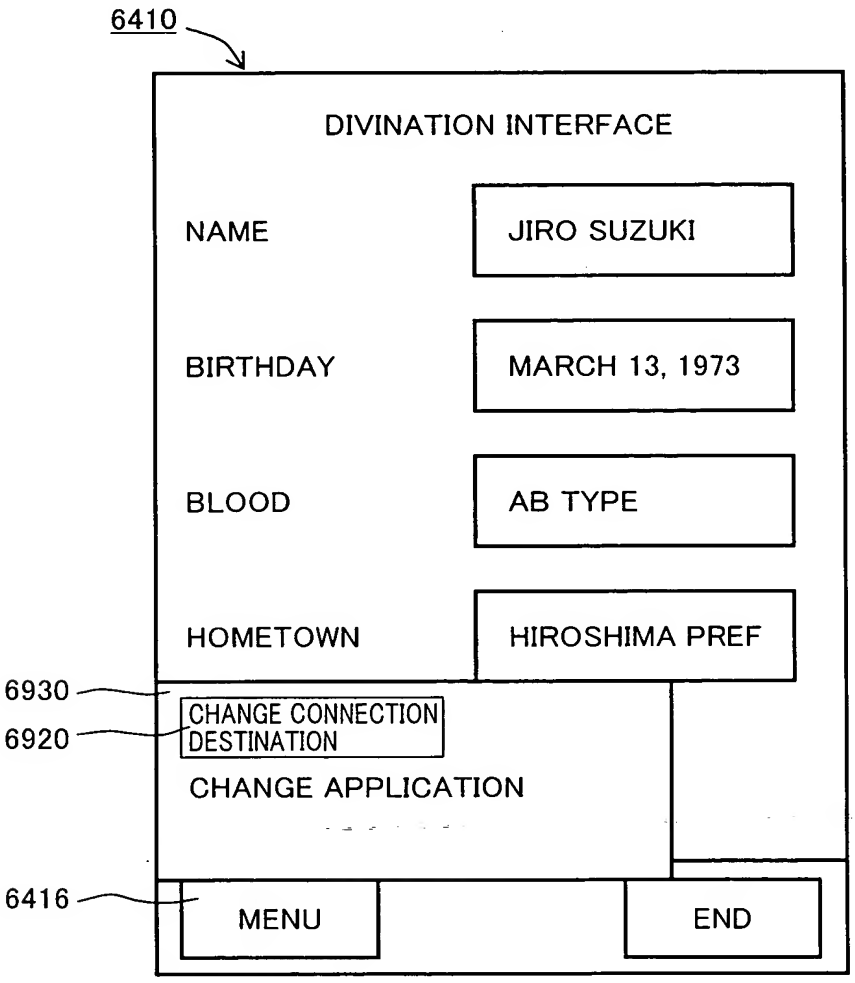
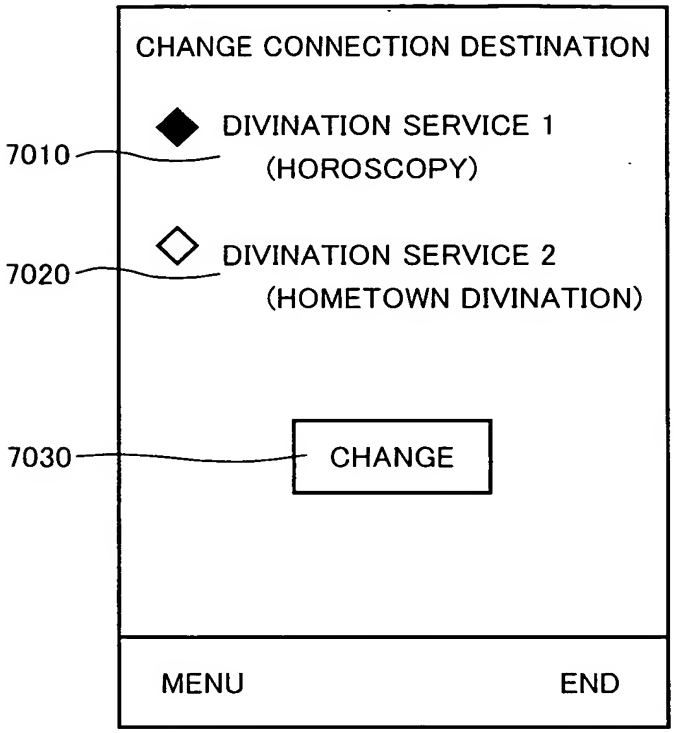


FIG.71


CHANGE CONNECTION DESTINATION
DIVINATION SERVICE 1
(HOROSCOPY)
7010
DIVINATION SERVICE 2
(HOMETOWN DIVINATION)
7020
CHANGE
7030
MENU
END